

IWMR-3002

Industrial Multifunction VPN Router w/up to 2x WiFi 11ac + up to 2 LTE 4G + 2 serial ports + 2 Gigabit Ethernet (incl.1 PD) w/Load Balancing, VPN, Protocol Gateway, Storage**; 24V / HV input

- Up to 2 concurrent WIFI 11ac and redundancy (1L-2AC model)
- Up to 2 concurrent modems for 3G/4G LTE Link & GPS (2L-1AC model/4 SIMs)
- Support LTE Cat 6 (APAC & EUNA models) or Cat 12/9/13 (WW model)
- Built-in 2 Gigabit Ethernet ports (1LAN+1WAN or 2LAN) (incl. 1PD)
- Dual radio for 802.11ac/a/b/g/n with concurrent 5GHz & 5GHz bands up to 2.6Gbps Wi-Fi bandwidth (2AC model)
- MIMO technology 3T3R; SMA type up to 6 external antennas
- Air teaming** for Wi-Fi high-sustainability and aggregated bandwidth
- VPN router for Multi-site VPN, OpenVPN, L2TP over IPsec, IPsec, PPTP**,
 L2 over GRE, IPGRE
- Load Balancing built-in 5 mechanism
- Optional EMMC Flash storage on-board**
- Support roaming with 802.11k & v
- Supports AP/Bridge/Client/MESH modes
- Support 802.11s Wireless Mesh Network
- Support NAT and Firewall
- Support Modbus gateway
- Support 2 RS422/RS485 ports with 2.5KV isolation or 2/4x RS232 ports (RJ45 model only)
- Dual input range from 9V to 56VDC (24V model); Single input power 90~305VAC/120~430VDC (HV model) (RJ45 model)



- Wi-Fi & LTE graphic signal strength
- Editable login page of captive portal for hot-spot application
- USB port to backup, restore the configuration file and upgrade firmware; Dual image firmware*
- ITxPT compliant w/ ignition function*



























OVERVIEW

Lantech IWMR-3002 series is a next generation industrial multifunction VPN router w/up to 2x 802.11ac Wi-Fi + up to 2x LTE modem + 2x Gigabit Ethernet (incl.1 PD) + 2 serial ports (RJ45 model only) that supports advanced function of VPN, Load-Balancing (Basic & Full Package) , EMMC Flash Storage**, Protocol gateway(Modbus) , Wi-Fi roaming and LTE quad SIM fail-over for industrial applications. The dual core CPU with 1.6GHz + 256M flash enables the router to multi-task smoothly.

Dual concurrent LTE design 4G/3G for load-balancing

With dual LTE module design (2L model), 4 SIM card slots, IWMR-3002 can allow auto-swap, failover & failback between multiple service providers for real non-stop connection. With concurrent LTE modules, it can also allocate bandwidth by "Load Balancing with 8 schemes between multiple WANs.

With one mobile LTE module, 2 SIM card slots, IWMR-3002 provides redundant link between two service providers.

Both GPS and Russian GLONASS systems are supported.

Optional EMMC Flash storage **

The optional EMMC flash storage on router can offer 8G/16G/32G capacity.

IEEE 802.11ac dual band radio up to 2.6Gbps bandwidth

With IEEE 802.11ac capability, IWMR-3002 can operate either 5GHz or 2.4GHz bands, offering the maximum speed of 2.6Gbps bandwidth (1.3Gbps per 1AC). It is also compatible with 802.11g/n that can work with 2.4GHz for longer range transmission.

The Wi-Fi 11ac supports AP/Bridge/AP Client modes can be diverse for most of wireless application. Working with load-balancing "Priority" mode, the AP client can enable router to transmit on Wi-Fi with first priority.

Air teaming** for wireless high-sustainability and



RJ45 model



M12 model



aggregated bandwidth

The innovative Air-teaming protection can combine multiple wireless links to achieve both high-sustainability and aggregated bandwidth. High sustainability can keep the network traffic alive even one link is down or severely interfered. Aggregated bandwidth can bind two link channels to provide the maximum throughput.

MIMO technology with 3T3R and SMA type connectors Lantech IWMR-3002 series adapts MIMO technology with smart antenna transmission and reception for 3T3R. With six external detachable omni connectors and optional antennas, IWMR-3002 can have better Wi-Fi coverage.

Support AP/Bridge/Client mode, Mesh w/802.11k, v roaming

IWMR-3002 supports AP/Bridge/Client mode for different applications. Client mode supports PMK** Caching and preauthentication.

It also supports 802.11k, v roaming to allow encryption keys to be stored on all APs in a network.

Built-in Wireless Mesh network (WMN)

IWMR-3002 supports Mesh network composed of different nodes. The set of SSIDs allow the wireless client to roam freely without the need for complicated account management. With Mesh protocol, it can provide a reliable, scalable, stable and seamless network topology.

Wireless WMM QoS

IWMR-3002 supports 802.11e standard which defines a set of Quality of Service for wireless LAN applications as well as WMM (Wi-Fi multimedia)

Advanced security & 16 SSIDs

The security support standards including 64/128bits WEP, WPA/WPA2 PSK (TKIP, AES), 802.1x ensures the best security and active defense against security treads. Lantech IWMR-3002 support up to 16 SSIDs, each SSID has its independent security and encryption.

Load Balancing with 8 mechanism for multi-WANs (premium license pack)

IWMR-3002 supports Load Balancing for LTE/WAN (client mode) connections. There are eight schemes for Load Balancing function:

Pack	Algorithm	Description
Basic Package	Fixed	Manually route by traffic type through fixed WAN link.
	Failover	Routes connections through preferred WAN link while others stand-by. Sequentially activate another link if preferred link fail occurs. Once failover will not failback until link loss.
	Priority	Routes connections through preferred WAN link as primary while others follow by. Ex. Wi-Fi client>LTE>others
	Weighted Round- Robin	Evenly distribute the traffic over all working WAN links in circular order according to the specified

		weights.
	Custom Route	Routing through the selected WAN for each specific traffic, ex: TCP/UDP port number and IP address.
Full Package** (incl. basic package)	Sticky Session*	Binding all connections in an application session to particular WAN link to ensure all connections in the session are routed to the same WAN link, that is suitable for security services like online payment etc.
	Smallest Load*	Routes connections through the WAN link with highest free bandwidth ratio. The ratio = 1 - (traffic load / the capability of a WAN link). The traffic load could be defined by downstream, upstream or total traffic
	Fastest*	Routes connections through the WAN link with lowest latency time.

2 port serial connection, Modbus gateway

It builds in 2 port serial connection for RS232, RS422, RS485 in which RS422/RS485 has 2.5KV isolation protection. (RJ45 model only)

The built-in Modbus gateway can convert Modbus RTU/ASCII to Modbus TCP for device control.

VPN and firewall

Besides traditional VPN peer to peer tunneling, IWMR-3002 support latest Multi-Site VPN function that is an efficient way for Mesh tunneling. The registration is under cloud service and encrypted by SSH makes the connection easy and safe.

It supports Multi-Site VPN, OpenVPN, L2TP over IPsec, IPsec, PPTP**, L2 over GRE, IPGRE, and NAT for various VPN applications.

The built-in Layer-4 firewall includes DDoS, IP address filter / Mac address filter / TCP/UDP port number

DIDO** for alarm & email notice; Event log; Remote Web control

2 sets of optional DIDO function can support additional high/low physical contact for designate applications besides Port / Power events, for example, DIDO function can trigger alarm if the router was moved or stolen. In case of events, the IWMR-3002 will immediately send email and trap.

When the router is at remote area with limited access, Web control can help to get router status or remotely reboot.

24V/HV input voltage selection: dual 9V-56VDC (24V model) or single 90~305VAC/120~430VDC (HV model)

The IWMR-3002 is able to work from 9VDC to 56VDC (24V model) Or with single high power supply at 90~305VAC / 120~430VDC (HV model).(RJ45 model only)

Built-in 2 port Gigabit Ethernet

2 port Gigabit Ethernet can be supported as 1LAN+1WAN or 2LAN models.



Graphic Wi-Fi & LTE signal strength

The graphic Wi-Fi & LTE signal strength shows connection status at a glance.

USB port for back up, restore configuration and upgrade firmware; Dual image firmware*

The built-in USB port can upload/download the configuration through USB dongle for router replacement.

It supports dual-image firmware* to choose which one to start.

Ignition Sensing*

Ignition sense allows you to delay power off the router with a designated time delay.

Editable login page of captive portal

The IWMR-3002 supports editable captive portal function that allows administrator to force end-users redirect to

authentication page.

Ruggedized industrial design and FCC*, CE* & E-marking* certificate

The IWMR-3002 is designed to meet with outdoor network environment with IP30/IP43 housing. It passed serious tests under extensive Industrial EMI and environmental vibration and shocks standards. With CE & FCC radio certification for Wi-Fi and LTE and E-marking* certificate, the IWMR-3002 is best for outdoor community, vehicle, process control automation etc. application. (E-marking* is only available on M12 model)

For more usage flexibilities, IWMR-3002 supports wide operating temperature from -40°C to 65°C

EN50155, 61373 verification*;

The IWMR-3002 series is also applicable for railway onboard/track side, vehicle and mining applications for more usage flexibilities.

FEATURES & BENEFITS

- High Speed Air Connectivity: WLAN interface support up to 2.6Gbps link speed(2AC) or 1.3Gbps (1AC)
- Built-in 2 Gigabit ports and 1LAN+1WAN or 2LAN (incl.1 PD)
- Support AP/Bridge/Client/MESH mode
- Support roaming with 802.11k & v
- Support 802.11s Wireless Mesh Network
- EMMC-FLASH storage** 8/16/32G
- Dual band 2.4G and 5GHz with 802.11ac/a/b/g/n
- Support 2.4Ghz operating within the following frequency bands:
 - 2.412~2.472 GHz
- Support 5Ghz operating within the following frequency bands:
 - 5.180~5.825 GHz
- MIMO smart antenna technology with 3T3R with 6 SMA type connectors and optional antennas
 - Optional Air-teaming protection(2AC)
 - High-sustainability: if one link member is down or severely interfered, the other link will keep the network traffic alive.
 - Aggregated bandwidth: The bandwidth of two link members can be aggregated to provide maximum throughput—
- IEEE 802.11h DFS and automatic TPC
- Output power: <24dBM</p>
- Transmit power adjustment
- VAP (virtual access point) support up to 16 SSIDs
- Operation modes: AP / Bridge / Client
- Traffic control for each SSID**
- Band preference for same SSID services on dual band**
- Rate selection to disable low data rate access**
- Highly Security Capability: WEP64/128bits/ WPA/ WPA-PSK (TKIP, AES)/ WPA2/ WPA2-PSK (TKIP, AES)
- HTTP/HTTPS/Telnet/SSH & Administration access
- Support IPv6 & IPv4 protocol

- Radius Authentication, EAP-TLS, EAP-TTLS, PEAP;
 SSID broadcast disable supported
- Multiple channel bandwidths of 20MHz and 40MHz for 2.4G.
- Multiple channel bandwidths of 20MHz, 40MHz and 80MHz for 5G only.
- Wi-Fi Multimedia (WMM) and 802.11e traffic prioritization
- Support Multi-Site VPN for Mesh tunneling as well as Open VPN, L2TP over IPsec, IPsec, PPTP**, L2 over GRE, IPGRE and NAT for secured network connection
- The built-in Layer-4 firewall includes DDoS, IP address filter / Mac address filter / TCP/UDP port number
- Support SNMP*v1/v2c/v3
- NAT/DMZ/Port Forwarding
- Dual concurrent LTE 4G/3G design (2L model) for auto-swap/failover/failback between multiple ISPs for continuous service (four SIM card slots)
- One LTE 4G/3G w/ 2 SIM card design (1L model) for mobile redundancy
- GPS & GLONASS connection
- Load Balancing supports 8 mechanism between multiple WANs

Pack	Algorithm	Description
Basic Package	Fixed	Manually route by traffic type through fixed WAN link.
	Failover	Routes connections through preferred WAN link while others stand-by. Sequentially activate another link if preferred link fail occurs. Once failover will not failback until link loss.
	Priority	Routes connections through preferred WAN link as primary while others follow by. Ex. Wi-Fi client>LTE>others



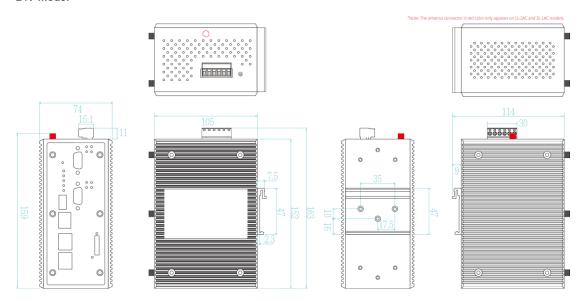
	Weighted Round- Robin	Evenly distribute the traffic over all working WAN links in circular order according to the specified weights.
	Custom Route	Routing through the selected WAN for each specific traffic, ex: TCP/UDP port number and IP address.
Full Package** (incl. basic package)	Sticky Session*	Binding all connections in an application session to particular WAN link to ensure all connections in the session are routed to the same WAN link, that is suitable for security services like online payment etc.
	Smallest Load*	Routes connections through the WAN link with highest free bandwidth ratio. The ratio = 1 - (traffic load / the capability of a WAN link). The traffic load could be defined by downstream, upstream or total traffic
	Fastest*	Routes connections through the WAN link with lowest latency time.

- Built-in 2 x serial ports (RS232/RS422/RS485) (RJ45 model only)
- Serial port with 2.5KV isolation on RS422/RS485 (RJ45 model only)

- Supports optional 2DI / 2DO (Digital Input / Output)
- Built-in Modbus gateway converting Modbus RTU/ASCII to Modbus/TCP
- Event alerting by Syslog, SNMP Trap, Email, Relay;
 Permanent local log rotation / Maxi 1K records
- Remote Web control to get status or re-boot by Web
- Built-in RTC to keep track of time always
- Support SNTP to synchronize system clock
- Support LLDP discovery protocol
- Support DHCP Server and Client
- Reset button for factory default mode
- Graphic LTE & WIFI signal strength
- Firmware upgradeable through TFTP/HTTP
- Configuration backup and restoration
 - Supports text configuration file for system quick
 installation
 - USB port to upload/download configuration by USB dongle
- Support editable captive portal login page
- IP30 / IP43 housing for industrial environment
- DIN-Rail and Wall-mount** installation
- Operation temperature -40°C to 65°C
- Wide range input voltage from 9V-56V
- Single input power 90~305VAC/120~430VDC (HV model) (RJ45 model)
- ITxPT compliant w/ ignition function*

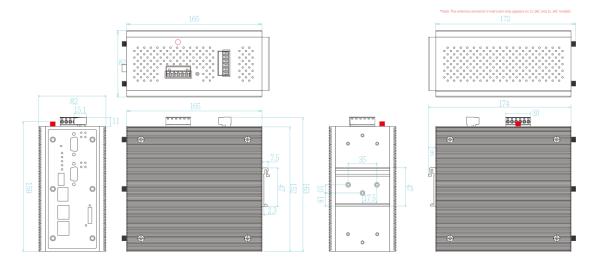
DIMENSIONS (unit=mm)

24V model

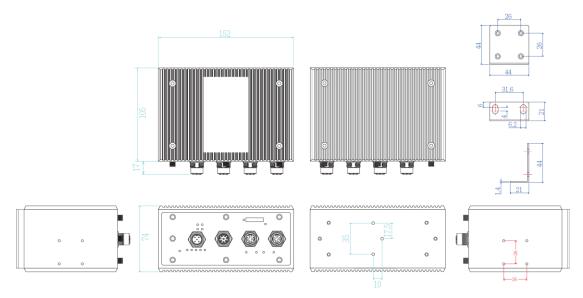




HV model (RJ45 model)



M12 Model



SPECIFICATION

WLAN Interf	ace	s)	18dBm @ 6~54Mbps
Radio Frequency Type	DSSS, OFDM		20/20dBm @ MCS0~MCS7 (HT20/40) Receiver Sensitivity Rx +/- 2dB
Wireless Standard Wireless bandwidth	IEEE 802.11ac/n/a 5GHz IEEE 802.11b/g/n 2.4GHz 5GHz: Up to 1300Mbps		≤-95dBm @ 1~11Mbps ≤-92dBm @ 6~18Mbps ≤-88dBm @ 24Mbps ≤-85dBm @ 36Mbps
Modulation	2.4GHz: Up to 450Mbps 802.11b: DSSS 802.11a/g: OFDM (BPSK, QPSK, 16-QAM, 64-QAM) 802.11n: OFDM (BPSK, QPSK, 16-QAM, 64-QAM) 802.11ac:	IEEE 802.11a/n/ac(5Gbp	≤ -81dBm @ 48Mbps ≤ -80dBm @ 54Mbps ≤ -94dBm @ MCS0 (HT20/40) ≤ -76dBm @ MCS7 (HT20/40) Output Power Tx +/- 2dB (per chain) 20dBm @ 6-24Mbps
Operating Frequency	OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM) IEEE 802.11 a/b/g/n ISM Band, 2.412GHz-2.472GHz, 5150MHz-5850MHz	s)	16dBm @ 36-54Mbps 19/18dBm @ MCS0 (HT20/40) 16/16dBm @ MCS7 (HT20/40)
Transmission Rate	IEEE802.11ac: up to 1300Mbps IEEE802.11b: 1/2/5.5/11 Mbps IEEE802.11a/g: 6/9/12/18/24/36/48/54 Mbps IEEE802.11n: up to 450Mbps		19/18/18dBm @ MCS0 (VHT20/40/80) 13/13/13dBm @ MCS8 (VHT20/40/80) 13/13dBm @ MCS9 (VHT40/80) Receiver Sensitivity Rx +/- 2dB
IEEE 802.11b/g/n(2.4Gbp	Output Power Tx +/- 2dB (per chain) 18dBm @ 1~11Mbps		≤-92dBm @ 6~18Mbps ≤-86dBm @ 24Mbps



Failover Routes connections through preferred WAN link while others stand-by. Sequentially activate another link if preferred link failure occurs. Priority Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs. Power & System per unit: Power 1 (Green), Power 2 (Green), P-Fail (Red), Storage (Green), Serial1/Serial2 (Green)				
		·	Weighted Round-	Evenly distribute the traffic over all working WAN
		· ·	Robin	links in circular order according to the specified
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Encryption Security WPE, (Webel, 125th et a) supported with processor with the control of the control of the processor with the control of		≦-69dBm @ MCS8 (VHT20/40/80)		
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Fames Fame	Cellular Inte	rface		
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(IDD), B38 (TDD), B40 (TDD), B41 (TDD) DC-HSPAH PSPAH WISPAL WIMTS = B1, B5, B6, B8, B9, B19 Europe & North America (EUNA model) LTE = B1, B2, B3, B4 B5, B7, B6, B12, B13, B12, B3, B4 B5, B7, B6, B12, B13, B14, B2, B3, B4 B5, B7, B6, B12, B13, B14, B2, B3, B4, B5, B7, B6, B12, B13, B14, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B18, B2, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B18, B2, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B2, B3, B4, B5, B6, B8, B9, B19 Dutin Rates – LTE Carrier and Carrier and Carrier and Envisory Protocol (LLDP) Dutin Rates – LTE Dutin Rates – LTE Dutin Rates – LTE Carrier and Carrier and Envisory Protocol (LLDP) Dutin Rates – LTE Dutin Rates – LTE Carrier and Carrier and Envisory Protocol (LLDP) Dutin Rates – LTE Carrier and Carrier and Envisory Protocol (LLDP) Dutin Rates – LTE Carrier and Carrier and Envisory Protocol (LLDP) Dutin Rates – LTE Carrier and Carrier and Envisory Protocol (LLDP) Dutin Rates – LTE Carrier and Carrier and Envisory Protocol (LLDP) Dutin Rates – LTE Carrier and Carrier and Envisory Protocol (LLDP) Dutin Rates – LTE Carrier and Carrier and Envisory Protocol (LLDP) Dutin Rates – LTE Carrier and Carrier and Envisory Protocol (LLDP) Dutin Rates – LTE Carrier and Carrier and Envisory Protocol (LLDP) Dutin Rates – LTE Carrier and Carrier and Envisory Protocol (LLDP) Dutin Rates – LTE Carrier and Carrier and Carrier and Envisory Protocol (LLDP) Dutin Rates – LTE Carrier and Carrier and Carrier and Carrier and Carrier and Carrier and Carrier	Band Options			r ng r cootamann, r mar coo min
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Europe & North America (EUNA model) LTE = 81, 82, 83, 84, 85, 88 24, 85, 88 84, 85, 89 24, 85, 88 84, 85, 89 24, 86, 88 84, 86, 88 25, 86, 82, 82, 830, 841 (TDD) DC-HSPA+HSPA+HSPA+HSPA+UMTS = 81, 82, 83, 84, 85, 89 LTE = 81, 82, 83, 84, 85, 89 LTE = 81, 82, 83, 84, 85, 89 LTE = 81, 82, 83, 84, 85, 87, 86, 89, 812, 813, 813, 819, 80, 80, 80, 262, 823, 822, 824, 824, 824, 824, 824, 824, 824			MESH	
Europe & North America (EUNA model) WRAZ/WRAZ-PSK (TKIP) AESS/SSH-SSLHTHS FBP-TILS, EAP-TILS, EAP-		B8, B9, B19		
LTE = 81, B2, B3, B4, B5, B7, B8, B12, B13, B20, B25, B26, B29, B30, B41 (TDD) DC-HSPA+/HSPA+/HSPA/ UMTS = B1, B2, B3, B3, B4, B5, B8, B5, B7, B6, B8, B12, B13, B13, B13, B20, B20, B25, B25, B25, B30, B32, B41 (TDD), B42 (TDD), B42 (TDD), B42 (TDD), B43 (TDD), B46 (TDD)		Europe & North America (EUNA model)	Security	
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B4, B5, B8 World Wide (WW model) LTE = B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B20, B26, B28, B29, B30, B32, B41 (TDD), B42 (TDD), B43 (TDD), B46 (TDD),			Authentication	
Morted Wide (WW model) LTE = B1, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B18, B20, B26, B28, B29, B30, B32, B41 (TDD), B42 (TDD), B42 (TDD), B42 (TDD), B46 (TDD), B48 (TDD), B46 (T			SSID	• • • • • • • • • • • • • • • • • • • •
LTE = 81, B2, B3, B4, B5, B7, B8, B9, B12, B13, B18, B19, B20, B20, B20, B20, B30, B32, B14 (TDD), B42 (TDD), B42 (TDD), B45 (TDD), B46 (TDD), B48 (TDD), B46 (TDD),		D4, D3, D0		
BBB, B19, B20, B26, B28, B29, B30, B32, B41 (TDD), B46 (TDD), B47 (TDD), B46		World Wide (WW model)	Timer	Built-in Real Time Clock to keep track of time always
(TIDD), 842 (TIDD), 846 (TIDD), 846 (TIDD), 848 (TIDD), 866 (TIDD), 866 (TIDD), 866 (TIDD), 866 (TIDD), 866 (WCDMA = B1, 82, 83, 84, 85, 86, 86, 89, 89, 89 (Side of the control of the co			D:	` '
Comparison Com				
Data Rates – LTE Asia-Pactific (APAC model) Downlink (Cat 6): FDD: 300 Mbps TDD: 222 Mbps Uplink (Cat 6): FDD: 50 Mbps TDD: 226 Mbps TDD: 227 Mbps Uplink (Cat 6): FDD: 50 Mbps TDD: 226 Mbps TDD: 246 Mbps TDD: 246 Mbps TDD: 250 Mbps TD: 250 Mbps TDD: 250			Sivivir tiap	
Downlink (Cat 6): FDD: 222 Mbps Uplink (Cat 6): FDD: 50 Mbps TDD: 222 Mbps Uplink (Cat 6): FDD: 50 Mbps TDD: 28 Mbps Uplink (Cat 6): FDD: 300 Mbps TDD: 222 Mbps Uplink (Cat 6): FDD: 50 Mbps TDD: 28 Mbps Uplink (Cat 6): FDD: 50 Mbps TDD: 28 Mbps Uplink (Cat 6): FDD: 50 Mbps TDD: 28 Mbps Uplink (Cat 6): TDD: 26 Mbps TDD: 25 Mbps TDD:				
FDD: 300 Mbps TDD: 222 Mbps Uplink (Cat 6); FDD: 50 Mbps TDD: 28 Mbps TDD: 28 Mbps Europe & North America (EUNA model) Downlink (Cat 6); FDD: 300 Mbps TDD: 222 Mbps Uplink (Cat 6); FDD: 300 Mbps TDD: 222 Mbps Uplink (Cat 6); FDD: 50 Mbps TDD: 222 Mbps Uplink (Cat 6); FDD: 50 Mbps TDD: 26 Mbps TD	Data Rates – LTE			Graphic LTE & Wi-Fi signal strength
TDD: 222 Mbps Uplink (Cat 6): FDD: 50 Mbps TDD: 28 Mbps TDD: 28 Mbps TDD: 220 Mbps TDD: 200 Mbps TDD: 200 Mbps TDD: 300 Mbps TDD: 300 Mbps TDD: 300 Mbps TDD: 50 Mbps TDD: 50 Mbps TDD: 50 Mbps TDD: 28 Mbps Uplink (Cat 6): FDD: 50 Mbps TDD: 28 Mbps TDD: 28 Mbps World Wide (WW model) Downlink: Cat 12: 600 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Cat 9: 450 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Cat 9: 450 Mbps C				To rehoot or get status of router by Wehl II
FDD: 50 Mbps TDD: 26 Mbps Europe & North America (EUNA model) Downlink (Cat 6): FDD: 300 Mbps TDD: 22 Mbps Uplink (Cat 6): FDD: 50 Mbps Uplink (Cat 6): FDD: 50 Mbps Uplink (Cat 6): FDD: 50 Mbps TDD: 26 Mbps World Wide (WW model) Downlink: Cat 12: 600 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Cat 13: 150 Mbps Cat 13: 150 Mbps Uplink: Cat 13: 150 Mbps Uplink: Cat 13: 150 Mbps Uplink: Cat 13: 50 Mbps Serial connector: 2 Mbg (McJaf model only) Silk and solics: 4(2L) pc 2(LL) SMA connector: 6 (Wi-Fi male, LTE female) Power & P-Fail connector: 1 x R-pole terminal block (M12, 5-pole A-coded, Male – M12 model) Reset/Console/USB: 1 x M12 8-pole terminal block (M12, 5-pole A-coded, Male – M12 model) Reset/Console/USB: 1 x M12 8-pole terminal block (M12, 5-pole a-coded, Male – M12 model) Reset/Console/USB: 1 x M12 8-pole terminal block (M12, 5-pole A-coded, Male – M12 model) Reset/Console/USB: 1 x M12 8-pole terminal block (M12, 5-pole a-coded, Male – M12 model) Reset/Console/USB: 1 x M12 8-pole terminal block (M12, 5-pole a-coded, Male – M12 model) Reset/Console/USB: 1 x M12 8-pole terminal block (M12, 5-pole a-coded, Male – M12 model) Reset/Console/USB: 1 x M12 8-pole terminal block (M12, 5-pole a-coded, Male – M12 model) Reset/Console/USB: 1 x M12 8-pole terminal block (M12, 5-pole a-coded, Male – M12 model) Reset/Console/USB: 1 x M12 8-pole terminal block (M12, 5-pole a-coded, Male – M12 model) Reset/Console/USB: 1 x M12 8-pole terminal block (M12, 5-pole a-coded, Male – M12 model) Reset/Console/USB: 1 x M12 8-pole terminal block (M12, 5-pole a-coded, Male – M12 model) Reset/Console/USB: 1 x M12 8-pole terminal block (M12, 5-pole A-coded, Male – M12 model) Reset/Console/USB: 1 x M12 8-pole terminal block (·		To report or get status or router by Webor
Europe & North America (EUNA model) Downlink (Cat 6): FDD: 300 Mbps TDD: 222 Mbps Uplink (Cat 6): FDD: 50 Mbps TDD: 24 Mbps World Wide (WW model) Downlink: Cat 12: 600 Mbps Cat 12: 600 Mbps Uplink: Cat 13: 150 Mbps Uplink: Uplink: Uplink: Uplink: Uplink: Uplink: Uplink:			Captive portal	Editable captive portal login page
Europe & North America (EUNA model) Downlink (Cat 6): FDD: 300 Mbps TDD: 222 Mbps Uplink (Cat 6): FDD: 500 Mbps TDD: 225 Mbps Uplink (Cat 6): FDD: 500 Mbps TDD: 226 Mbps World Wide (WW model) Downlink: Cat 12: 800 Mbps Cat 9: 450 Mbps Uplink: Cat 12: 800 Mbps Uplink: Cat 12: 800 Mbps Uplink: Cat 13: 150 Mbps Uplink: Cat 14: 150 Mbps Uplink: Cat 15: 150 Mbps Uplink: Cat 16: Royal Manually route by traffic type through fixed WAN link while others stand-by. Sequentially activate other link if preferred link failure occurs. Priority Routes connections through preferred WAN link while others stand-by. Sequentially activate other link if preferred ink failure occurs. Priority Per unit: Power 1 (Green), Power 2 (Green), P-Fail indicator in lindicator in link if preferred link failure occurs.		·		
Separation Supports EEB802.1x Authentication/RADIUS		1.55. 20 mspc		
FDD: 300 Mbps TDD: 222 Mbps Uplink (Cat 6): FDD: 50 Mbps TDD: 28 Mbps TD: 28 Mbps TDD: 28 Mbps TDD: 28 Mbps TDD: 28 Mbps TDD: 28 Mbps TD: 28 Mbps TDD: 28 Mbps TD			backap a restore	
TDD: 222 Mbps Uplink (Cat 6): FDD: 50 Mbps TDD: 26 Mbps World Wide (WW model) Downlink: Cat 12: 600 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps TPo: 28 Mbps Software Software Flyo/4 Present Operating Mode Ap/Bridge/Client/MESH modes Login Security Access Security Protocol Management SMMP*v1/v2/v3 access for authentication via Mb5/SHA(v3) and Encryption via DES/AES(v3) Protocol Management SMMP*v1,v2/v3 Web/Felnet/CLI Login Search Fail Connectors Serial Band Rate Operating Mode Ap/Bridge/Client/MESH modes Login Security Supports IEEE802.1* Authentication via Mb5/SHA(v3) and Encryption via DES/AES(v3) Protocol Pro				<u> </u>
FDD: 50 Mbps TDD: 26 Mbps TDD: 26 Mbps World Wide (WW model) Downlink: Cat 12: 600 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps TPresent Present Present Supports IEEE802.1x Authentication/RADIUS ACCESS Security APERIOGNET (Firewall (DoS; IP address filter / Mac address filter / TCP/IUP port name), VRRP**, DDNS* Management SNMP**1,v2/c,a caces for authentication was Management SNMP**1,v2/c,a vaces for multiple Wan Management SNMP**1,v2/c,a vaces for authentication was Management SNMP**1,v2/c,a vaces		·	Physical Po	rts & System
## World Wide (WW model) Downlink: Cat 12: 600 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Cat 14: 150 Mbps			Connectors	
World Wide (WW model) Downlink: Cat 12: 600 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Uplink: Uplink: Cat 13: 150 Mbps Uplink: Uplink: Cat 13: 150 Mbps Uplink: Up		·		
Morld Wide (MW model) Downlink: Cat 12: 600 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Uplink: SIM card slots: 4(2L) or 2(1L) SIM cannector: 2 DB9 (RJ45 model only) Sim card slots: 4(2L) or 2(1L) SIM cannector: 6 (Wi-Fi male, LTE female) Power & P-Fail connector: 1 x 6-pole terminal block (M12, 5-pole A-coded, Male – M12 model) Reset/Console/USB: 1 x M12 8-pole A-coded – M12 model DIDO**: 1 x 5-pole terminal block (M12, 5-pole A-coded, Male – M12 model) Reset/Console/USB: 1 x M12 8-pole A-coded – M12 model DIDO**: 1 x 5-pole terminal block M12, 5-pole A-coded – M12 model DIDO**: 1 x 5-pole terminal block M12, 5-pole A-coded – M12 model DIDO**: 1 x 5-pole terminal block M12, 5-pole A-coded – M12 model DIDO**: 1 x 5-pole terminal block M12, 5-pole A-coded – M12 model DIDO**: 1 x 5-pole terminal block M12, 5-pole A-coded – M12 model DIDO**: 1 x 5-pole terminal block M12, 5-pole A-coded – M12 model DIDO**: 1 x 5-pole terminal block M12, 5-pole A-coded, Male – M12 model DIDO**: 1 x 5-pole terminal block M12, 5-pole A-coded, Male – M12 model DIDO**: 1 x 5-pole terminal block M12, 5-pole A-coded, Male – M12 model DIDO**: 1 x 5-pole terminal block M12, 5-pole A-coded, Male – M12 model DIDO**: 1 x 5-pole terminal block M12, 5-pole A-coded, Male – M12 model DIDO**: 1 x 5-pole terminal block M12, 5-pole A-coded, Male – M12 model DIDO**: 1 x 5-pole terminal block M12,		TDD. 20 Mbps		
Cat 12: 600 Mbps Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Uplink: Cat 13: 150 Mbps Software IPv6/4 Present Operating Mode Login Security Access Security Access Security Protocol Prot		World Wide (WW model)		
Cat 9: 450 Mbps Uplink: Cat 13: 150 Mbps Uplink: Cat 13: 150 Mbps Software IPv6/4 Present Operating Mode AP/Bridge/Client/MESH modes Login Security Supports IEEE802.1x Authentication/RADIUS Access Security HTTP/HTTPS/Telnet/SSH & Administration; SNMP*v1/v2/v3 access for authentication via MD5/SHA(v3) and Encryption via DES/AES(v3) Protocol PPC Client, DHCP server/client, Adjustable MTU, Prot forwarding (NAPT), DM2; NAT, SNTP, Firewall (Firewall (DDoS; IP address filter / TCP/IUP port name), VRRP**, DDNS* Management SNMP*v1,v2c,v3/Web/Telnet/CLI Load Balancing 8 schemes for multiple WAN Basic Package Fixed Manually route by traffic type through fixed WAN link. While others stand-by. Sequentially activate another link if preferred link failure occurs. Priority Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs. Prover & System Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs.				
Uplink: Cat 13: 150 Mbps Software IPv6/4 Present Operating Mode AP/Bridge/Client/MESH modes Login Security Supports IEEE802.1x Authentication/RADIUS Access Security HTTP/HTTPS/TeInet/SSH & Administration; SNMP*v1/v2/3 access for authentication via MD5/SHA(v3) and Encryption via DES/AES(v3) Protocol PPDE Client, DHCP server/client, Adjustable MTU, Port forwarding (NAPT), DMZ; NAT, SNTP, Firewall (Firewall (DDos; IP address filter / TCP/UDP port name), VRRP**, DDNS* Management SNMP*v1,v2c,v3/Web/Teinet/CLI Load Balancing 8 schemes for multiple WAN Basic Package Fixed Manually route by traffic type through fixed WAN link. while others stand-by. Sequentially activate another link if preferred link failure occurs. Priority Routes connections through preferred WAN link while others stand-by. Sequentially activate another link if overflow occurs. Value Cat 13: 150 Mbps SMA connector: 1 x 6-pole terminal block (M12, 5-pole A-coded, Male — M12 model) Reset/Console/USB: 1 x M12 8-pole A-coded — M12 model DIDO **: 1 x 5-pole terminal block 1000Kbps high data rate, 250kbps normal for RS422/RS485 (RJ45 model only) Serial Band Rate 1000Kbps high data rate, 250kbps normal for RS422/RS485 (RJ45 model only) Serial Data Bits 5, 6, 7, 8 Serial Data Data, Data, Data, Data, Data, Data, Data, Cata, GND Bath, Data, Data, Data, Cata, GND Bath, Data, Data, Data, Data, Data, Data, Cata, GND Bath, Data, Data		·		
Power & P-Fail connector: 1 x 6-pole terminal block (M12, 5-pole A-coded, Male – M12 model)				
Present				SMA connector: 6 (Wi-Fi male, LTE female)
Protocol				·
Operating Mode AP/Bridge/Client/MESH modes Login Security Supports IEEE802.1x Authentication/RADIUS				
Access Security HTTP/HTTPS/Telnet/SSH & Administration; SNMP*v1/v2/v3 access for authentication via MD5/SHA(v3) and Encryption via DES/AES(v3) Protocol Protocol PPOE Client, DHCP server/client, Adjustable MTU, Port forwarding (NAPT), DMZ; NAT, SNTP, Firewall (Firewall (DDoS; IP address filter / Mac address filter* /TCP/UDP port name), VRRP**, DDNS* Management SNMP*v1,v2c,v3/ Web/Telnet/CLI Load Balancing Basic Package Fixed Manually route by traffic type through fixed WAN link while others stand-by. Sequentially activate another link if preferred link failure occurs. Priority Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs. Power & System Indicator Serial Band Rate 1000Kbps high data rate,250kbps normal for RS232 20Mbps high data rate,250kbps normal for RS422/RS485 (RJ45 model only) Serial Data Bits 5, 6, 7, 8 Serial Parity 5, 6, 7		9		model
SNMP*v1/v2/v3 access for authentication via MD5/SHA(v3) and Encyption via DES/AES(v3) Protocol				•
Protocol RS422/RS485 (RJ45 model only) Serial Data Bits 5, 6, 7, 8 Serial Data Bits 5, 6, 7, 8 Serial Parity odd, even, none, mark, space Txx, Txx, Txx, Txx, Txx, Txx, Txx, Txx	Access Security		Serial Band Rate	
Protocol PPPoE Client, DHCP server/client, Adjustable MTU, Port forwarding (NAPT), DMZ; NAT, SNTP, Firewall (Firewall (DDOS; IP address filter / Mac address filter / TCP/UDP port name), VRRP**, DDNS* Management SNMP*V1, v2c, v3/Web/Telnet/CLI Load Balancing 8 schemes for multiple WAN Basic Package Fixed Manually route by traffic type through fixed WAN link. While others stand-by. Sequentially activate another link if preferred link failure occurs. Priority Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs. Priority Serial Data Bits 5, 6, 7, 8 Serial Parity odd, even, none, mark, space 1, 1.5, 2 TXD, RXD, RTS, CTS, DTR, DSR, DCD, GND TX+, Tx-, Rx+, Rx-, GND Basic Package Tx+, Tx-, Rx+, Rx-, GND RS-485 (2-wire) Data+, Data-, GND EMMC Storage** RS-422/RS-485 2.5KV isolation; 8KV contact & 15KV air RS-232 8KV contact and 15KV air ESD DIDO** 3KV isolation Input power 1.5KVA isolation Input power 1.5KVA isolation Power & System Indicator Indicator Indicator Indicator Indicator Indicator Indicator Indicator				
(Firewall (DDoS; IP address filter / Mac address filter* / TCP/UDP port name), VRRP**, DDNS* Management SNMP*v1,v2c,v3/ Web/Telnet/CLI Load Balancing 8 schemes for multiple WAN Basic Package Fixed Manually route by traffic type through fixed WAN link. Failover Routes connections through preferred WAN link while others stand-by. Sequentially activate another link if preferred link failure occurs. Priority Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs. Priority Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs. Power & System Per unit: Power 1 (Green), Power 2 (Green), P-Fail indicator (Red), Storage (Green), Serial1/Serial2 (Green)	Protocol		Serial Data Bits	ì
Management SNMP*v1,v2c,v3/ Web/Teinet/CLI Load Balancing 8 schemes for multiple WAN Basic Package Fixed Manually route by traffic type through fixed WAN link. Failover Routes connections through preferred WAN link while others stand-by. Sequentially activate another link if preferred link failure occurs. Priority Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs. Priority Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs.			Serial Parity	
Management SNMP*v1,v2c,v3/Web/Telnet/CLI Load Balancing 8 schemes for multiple WAN Basic Package Fixed Manually route by traffic type through fixed WAN link. Failover Routes connections through preferred WAN link while others stand-by. Sequentially activate another link if preferred link failure occurs. Priority Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs. Priority Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs. Prower & System Power & System Indicator RS-422 Tx+, Tx-, Rx+, Rx-, GND Data+, Data-, DAD Bata+, Data-, GND EMMC Storage** 8/16/32 GB Isolation protection RS422/RS485 2.5KV isolation; 8KV contact & 15KV air ESD DIDO** 3KV isolation Input power 1.5KVA isolation Power & System Indicators Power & System Indicator RG-485 (2-wire) Pata+, Data-, GND EMMC Storage** 8/16/32 GB Isolation protection RS422/RS485 2.5KV isolation; 8KV contact & 15KV air RS-232 8KV contact and 15KV air ESD DIDO** 3KV isolation Input power 1.5KVA isolation Power & System Indicator RG-485 (2-wire) Interval - Data-, Data-				i i
Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs. Priority Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs. Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs. Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs. Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs. Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs. Power & System indicator Rs-485 (2-wire) Data+, Data+, DAta+, DAta-, RNF, RX*, RX*, RX*, RX*, RX*, RX*, RX*, RX*	Management			
Fixed Manually route by traffic type through fixed WAN link. Failover Routes connections through preferred WAN link while others stand-by. Sequentially activate another link if preferred link failure occurs. Priority Routes connections through preferred WAN link while others stand-by. Sequentially activate another links if overflow occurs. EMMC Storage** 8/16/32 GB RS422/RS485 2.5KV isolation; 8KV contact & 15KV air RS232 8KV contact and 15KV air ESD DIDO** 3KV isolation Input power 1.5KVA isolation LED Indicators Power & System indicator (Red), Storage (Green), P-Fail (Red), Storage (Green), Serial1/Serial2 (Green)	Load Balancing			
Failover Routes connections through preferred WAN link while others stand-by. Sequentially activate another link if preferred link failure occurs. Priority Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs. Priority Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs. Power & System Per unit: Power 1 (Green), Power 2 (Green), P-Fail indicator (Red), Storage (Green), Serial1/Serial2 (Green)	Basic Package			i i
while others stand-by. Sequentially activate another link if preferred link failure occurs. Priority Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs. Priority RS232 8KV contact and 15KV air ESD DIDO** 3KV isolation Input power 1.5KVA isolation LED Indicators Power & System Per unit: Power 1 (Green), Power 2 (Green), P-Fail indicator (Red), Storage (Green), Serial1/Serial2 (Green)		Manually route by traffic type through fixed WAN link.		RS422/RS485 2.5KV isolation; 8KV contact & 15KV
While others stand-by. Sequentially activate another link if preferred link failure occurs. Priority Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs. DIDO** 3KV isolation Input power 1.5KVA isolation LED Indicators Power & System Per unit: Power 1 (Green), Power 2 (Green), P-Fail (Red), Storage (Green), Serial1/Serial2 (Green)				air
Priority Routes connections through preferred WAN link while others stand-by. Sequentially activate other links if overflow occurs. Input power 1.5KVA isolation LED Indicators Power & System Per unit: Power 1 (Green), Power 2 (Green), P-Fail (Red), Storage (Green), Serial1/Serial2 (Green)	Fixed	Routes connections through preferred WAN link		
while others stand-by. Sequentially activate other Power & System Per unit: Power 1 (Green), Power 2 (Green), P-Fail (Red), Storage (Green), Serial1/Serial2 (Green)	Fixed	* '		RS232 8KV contact and 15KV air ESD
links if overflow occurs. (Red), Storage (Green), Serial1/Serial2 (Green)	Fixed	while others stand-by. Sequentially activate another		RS232 8KV contact and 15KV air ESD DIDO** 3KV isolation Input power 1.5KVA isolation
	Fixed Failover	while others stand-by. Sequentially activate another link if preferred link failure occurs.	LED Indicate	RS232 8KV contact and 15KV air ESD DIDO** 3KV isolation Input power 1.5KVA isolation
(RJ45 model only), Ready (Green)	Fixed Failover	while others stand-by. Sequentially activate another link if preferred link failure occurs. Routes connections through preferred WAN link while others stand-by. Sequentially activate other	Power & System	RS232 8KV contact and 15KV air ESD DIDO** 3KV isolation Input power 1.5KVA isolation OFS Per unit: Power 1 (Green), Power 2 (Green), P-Fail



10/100/1000Base- T(X) port indicator	Link/Activity (Green), Speed (1000T: Yellow; 10/100TX: off)		74(W) x 114(D) X 152 (H)mm (M12 model) 82 (W) x 172 (D) x 152 (H) mm (HV, 1L-1AC model)
SIM	Green for Link/Act		82 (W) x 172 (D) x 159 (H) mm (HV, 1L-2AC / 2L-
GPS	Green for Link/Act		1AC model)
WLAN LEDs	WLAN 1, WLAN2 Link /ACT: Green	Weight	900g
DI/DO**	2 Digital Input (DI):	Environmen	tal
	Level 0: -30~2V / Level 1: 10~30V Max. input current:8mA	Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
	2 Digital Output (DO): Open collector to 40 VDC, 200mA	Operating Temperature	-40°C ~65°C (-40°F ~ 149°F)
Fault	Red: Ethernet link down or power down	Operating Humidity	5% to 95% Non-condensing
Fault contact	it .	Regulatory a	approvals
Relay	Relay output to carry capacity of 1A at 24VDC	EMC	FCC Part 15 Class A, EN55032, EN55024
Power		EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-
Input power	Dual DC input, 9V-56VDC (24V model) Single HV input, 90-305VAC/120-430VDC (HV		4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11
	model) (RJ45 model)	Vehicle certificate	E13* (M12 model)
Power consumption	20 Watts		ITxPT compliant*
(Typ.)		Railway	EN50155* EN61373*
Physical Ch	aracteristic	MTBF	NA
Enclosure	IP30 Metal case (24V & HV models)	Warranty	5 years
	IP43 Metal case (M12 model)		*Future Release
Dimension	74 (W) x 114 (D) x 152 (H) mm (24V, 1L-1AC model)		**Optional
	74 (W) x 114 (D) x 159 (H) mm (24V, 1L-2AC / 2L-1AC model)		

RF Performance Table

	Data Rate	TX Power (per chain)	TX Power (3 chains)	Tolerance	RX Specifications Sensitivity	Tolerance
	1Mbps	20dBm	25dBm	±2dB	-95dBm	±2dB
2.4GHz	2Mbps	20dBm	25dBm	±2dB	-94dBm	±2dB
802.11b	5.5Mbps	20dBm	25dBm	±2dB	-92dBm	±2dB
	11Mbps	20dBm	25dBm	±2dB	-90dBm	±2dB
	6Mbps	21dBm	26dBm	±2dB	-94dBm	±2dB
	9Mbps	21dBm	26dBm	±2dB	-93dBm	±2dB
	12Mbps	21dBm	26dBm	±2dB	-93dBm	±2dB
2.4GHz	18Mbps	21dBm	26dBm	±2dB	-90dBm	±2dB
802.11g	24Mbps	21dBm	26dBm	±2dB	-90dBm	±2dB
	36Mbps	20dBm	25dBm	±2dB	-85dBm	±2dB
	48Mbps	19dBm	24dBm	±2dB	-82dBm	±2dB
	54Mbps	18dBm	23dBm	±2dB	-80dBm	±2dB
	MCS 0	21dBm	26dBm	±2dB	-94dBm	±2dB
	MCS 1	21dBm	26dBm	±2dB	-92dBm	±2dB
	MCS 2	21dBm	26dBm	±2dB	-89dBm	±2dB
2.4GHz 802.11n	MCS 3	20dBm	25dBm	±2dB	-84dBm	±2dB
HT20	MCS 4	20dBm	25dBm	±2dB	-83dBm	±2dB
	MCS 5	20dBm	25dBm	±2dB	-80dBm	±2dB
	MCS 6	18dBm	23dBm	±2dB	-79dBm	±2dB
	MCS 7	16dBm	21dBm	±2dB	-77dBm	±2dB
	MCS 0	20dBm	25dBm	±2dB	-93dBm	±2dB
	MCS 1	20dBm	25dBm	±2dB	-91dBm	±2dB
	MCS 2	20dBm	25dBm	±2dB	-89dBm	±2dB
2.4GHz	MCS 3	19dBm	24dBm	±2dB	-84dBm	±2dB
802.11n HT40	MCS 4	19dBm	24dBm	±2dB	-82dBm	±2dB
	MCS 5	19dBm	24dBm	±2dB	-80dBm	±2dB
	MCS 6	18dBm	23dBm	±2dB	-79dBm	±2dB
	MCS 7	16dBm	21dBm	±2dB	-75dBm	±2dB



		chain)	TX Power (3 chains)	Tolerance	RX Specifications Sensitivity	Tolerance
	6Mbps	20dBm	25dBm	±2dB	-94dBm	±2dB
	9Mbps	20dBm	25dBm	±2dB	-94dBm	±2dB
	12Mbps	20dBm	25dBm	±2dB	-92dBm	±2dB
5GHz	18Mbps	20dBm	25dBm	±2dB	-91dBm	±2dB
802.11a	24Mbps	20dBm	25dBm	±2dB	-90dBm	±2dB
	36Mbps	18dBm	23dBm	±2dB	-86dBm	±2dB
	48Mbps	16dBm	21dBm	±2dB	-83dBm	±2dB
	54Mbps	15dBm	20dBm	±2dB	-80dBm	±2dB
	MCS 0	19dBm	24dBm	±2dB	-93dBm	±2dB
	MCS 1	19dBm	24dBm	±2dB	-90dBm	±2dB
	MCS 2	19dBm	24dBm	±2dB	-87dBm	±2dB
ECH-	MCS 3	18dBm	23dBm	±2dB	-83dBm	±2dB
5GHz 802.11n/ac	MCS 4	18dBm	23dBm	±2dB	-80dBm	±2dB
VHT20	MCS 5	17dBm	22dBm	±2dB	-77dBm	±2dB
	MCS 6	16dBm	21dBm	±2dB	-74dBm	±2dB
	MCS 7	14dBm	19dBm	±2dB	-73dBm	±2dB
	MCS 8	13dBm	18dBm	±2dB	-71dBm	±2dB
	MCS 0	18dBm	23dBm	±2dB	-90dBm	±2dB
	MCS 1	18dBm	23dBm	±2dB	-88dBm	±2dB
	MCS 2	18dBm	23dBm	±2dB	-85dBm	±2dB
	MCS 3	17dBm	22dBm	±2dB	-82dBm	±2dB
5GHz 802.11n/ac	MCS 4	17dBm	22dBm	±2dB	-80dBm	±2dB
VHT40	MCS 5	16dBm	21dBm	±2dB	-75dBm	±2dB
	MCS 6	15dBm	20dBm	±2dB	-73dBm	±2dB
	MCS 7	14dBm	19dBm	±2dB	-73dBm	±2dB
	MCS 8	13dBm	18dBm	±2dB	-70dBm	±2dB
	MCS 9	13dBm	18dBm	±2dB	-68dBm	±2dB
	MCS 0	18dBm	23dBm	±2dB	-89dBm	±2dB
	MCS 1	18dBm	23dBm	±2dB	-87dBm	±2dB
	MCS 2	18dBm	23dBm	±2dB	-85dBm	±2dB
	MCS 3	17dBm	22dBm	±2dB	-83dBm	±2dB
5GHz 802.11ac	MCS 4	17dBm	22dBm	±2dB	-80dBm	±2dB
VHT80	MCS 5	16dBm	21dBm	±2dB	-78dBm	±2dB
	MCS 6	15dBm	20dBm	±2dB	-75dBm	±2dB
	MCS 7	14dBm	19dBm	±2dB	-72dBm	±2dB
	MCS 8	13dBm	18dBm	±2dB	-70dBm	±2dB
	MCS 9	13dBm	18dBm	±2dB	-68dBm	±2dB

ORDERING INFORMATION

For -40~65C operational temperature model

M12 models are available with -M12 model names (-2S/-4S/-2SA/-2SB/-2S2SA/-2S2SB for RJ45 models only)

- 2 RS422 models are available with -2SA; 2 RS485 models are available with -2SB
- 2 RS232+ 2 RS422 models are available with -2S2SA; 2 RS232+ 2 RS485 models are available with -2S2SB
- IWMR-3002-2L-1AC-2S-24V-EUNA......P/N: 8610-101

Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports and 2 port Gigabit Ethernet (incl. 1PD); EU and US band; dual input 9V~56VDC; -40~65C

- - Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports and 2 port Gigabit Ethernet (incl. 1PD); worldwide band; dual input 9V~56VDC; -40~65C
- IWMR-3002-2L-1AC-2S-24V-APAC......P/N: 8610-103
 - Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports and 2 port Gigabit Ethernet (incl. 1PD); APAC band; dual input 9V~56VDC; -40~65C
- IWMR-3002-2L-1AC-4S-24V-EUNA......P/N: 8610-120
 - Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports and 2 port Gigabit Ethernet (incl. 1PD); EU and US band; dual input 9V~56VDC; -40~65C
- IWMR-3002-2L-1AC-4S-24V-WW......P/N: 8610-121

Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports and 2 port Gigabit Ethernet (incl. 1PD); worldwide band; dual input 9V~56VDC; -40~65C



industrial One LTE (Dual SIM) One WI-Fi Talach/byg/n Load Balancing Multifunction Router w/ 2 RS232 serial ports and Glapalit Ethernet (incl. 1PD): Et and US band; dual input 9V-56VDC; -40-68C IWMR-3002-1L-1AC-2S-24V-WW. P/N: 8610-1083 industrial One LTE (Dual SIM) One WI-Fi Talach/byg/n Load Balancing Multifunction Router w/ 2 RS232 serial ports and Glapalit Ethernet (incl. 1PD): worldwide band; dual input 9V-56VDC; -40-6SC IWMR-3002-1L-1AC-2S-24V-APAC. P/N: 8610-1093 IWMR-3002-1L-1AC-2S-24V-APAC. P/N: 8610-1093 INMR-3002-1L-1AC-4S-24V-BNA. P/N: 8610-1033 Industrial One LTE (Dual SIM) One WI-Fi Talach/byg/n Load Balancing Multifunction Router w/ 2 RS232 serial ports and Glapalit Ethernet (incl. 1PD): APAC band; dual input 9V-56VDC; -40-6SC IWMR-3002-1L-1AC-4S-24V-BNA. P/N: 8610-123 Industrial One LTE (Dual SIM) One WI-Fi Talach/byg/n Load Balancing Multifunction Router w/ 4 RS232 serial ports and Glapalit Ethernet (incl. 1PD): Et al and US band; dual input 9V-56VDC; -40-6SC IWMR-3002-1L-1AC-4S-24V-WW. P/N: 8610-124 Industrial One LTE (Dual SIM) One WI-Fi Talach/byg/n Load Balancing Multifunction Router w/ 4 RS232 serial ports and Glapalit Ethernet (incl. 1PD): Eval One WI-Fi Talach/byg/n Load Balancing Multifunction Router w/ 4 RS232 serial ports and Glapalit Ethernet (incl. 1PD): APAC band; dual input 9V-56VDC; -40-6SC IWMR-3002-1L-1AC-4S-24V-APAC. P/N: 8610-125 IWMR-3002-1L-1AC-4S-24V-BAC. P/N: 8610-104 Industrial One LTE (Dual SIM) One WI-Fi Talach/byg/n Load Balancing Multifunction Router w/ 4 RS232 serial ports and Glapalit Ethernet (incl. 1PD): APAC band; dual input 9V-56VDC; -40-6SC IWMR-3002-1L-2AC-2S-24V-WW IMR-3002-1L-2AC-2S-24V-WW. P/N: 8610-105 Industrial One LTE (Dual SIM) Two WI-Fi Talach/byg/n Load Balancing Multifunction Router w/2 RS232 serial ports and Glapalit Ethernet (incl. 1PD): Brad and US band; dual input 9V-56VDC; -40-6SC IWMR-3002-1L-2AC-2S-24V-WW P/N: 8610-105 Industrial One LTE (Dual SIM) Two WI-Fi Talach/byg/n Load Balancing Multifunction Router w/4 RS232 serial ports and	Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports port Gigabit Ethernet (incl. 1PD); APAC band; dual input 9V~56VDC; -40~65C IWMR-3002-1L-1AC-2S-24V-EUNA
industrial One LTE (Dual SM) One Wi-F1 11ac/ab/gyn Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gipable Ethernet (Incl. 1PD). Et Jand US band, dual input 9Y-56VDC, -40-65C WMR-3002-1L-1AC-25-24V-WWM. MWR-3002-1L-1AC-25-24V-WWM. MIR-3002-1L-1AC-25-24V-WWM. MIR-3002-1L-1AC-25-24V-APAC. MWR-3002-1L-1AC-25-24V-APAC. MWR-3002-1L-1AC-35-24V-APAC. MWR-3002-1L-1AC-35-24V-WWM. MPR-3002-1L-1AC-35-24V-WWM. MPR-3002-1L-1AC-35-24V-WPAC. MPR-3002-1L-1AC-35-24V-WPAC. MPR-3002-1L-36-25-34V-WPAC. MPR-3002-1L-36-35-34V-WWW. MPR-3002-1L-36-35-34V-WWW. MPR-3002-1L-36-35-34V-WWW. MPR-3002-1L-36-35-34V-WWW. MPR-3002-1L-36-35-34V-WWW. MPR-3002-1L-36-35-34V-WWW. MPR-3002-1L-36-35-34V-WWW. MPR-3002-1L-36-35-34V-WWW. MPR-3002-1L-36-35-34V-WWW. MPR-3002-1L-36-35-3	port Gigabit Ethernet (incl. 1PD); APAC band; dual input 9V~56VDC; -40~65C IWMR-3002-1L-1AC-2S-24V-EUNA
IWMR-3002-1L-1AC-25-24V-EUNA Minuturial One LTE (Dual SIM) One Wi-Fi 11aca/ab/gin Load Balancing Multifunction Router wi 2 RS232 serial ports and Gigabit Efferment (incl. 1PD). Et and US band; dual input 9V-56VDC; -40-65C WMR-3002-1L-1AC-25-24V-WW WMR-3002-1L-1AC-25-24V-WW WMR-3002-1L-1AC-25-24V-WW MMR-3002-1L-1AC-25-24V-EUNA Minuturial One LTE (Dual SIM) One Wi-Fi 11aca/ab/gin Load Balancing Multifunction Router wi 2 RS232 serial ports and Gigabit Efferment (incl. 1PD); worldwide band; dual input 9V-56VDC; -40-65C WMR-3002-1L-1AC-25-24V-EUNA Minuturial One LTE (Dual SIM) One Wi-Fi 11aca/ab/gin Load Balancing Multifunction Router wi 2 RS232 serial ports and Gigabit Efferment (incl. 1PD); PAPC band; dual input 9V-56VDC; -40-65C IWMR-3002-1L-1AC-45-24V-EUNA Minuturial One LTE (Dual SIM) One Wi-Fi 11aca/ab/gin Load Balancing Multifunction Router wi 4 RS232 serial ports and Gigabit Efferment (incl. 1PD); EU and US band; dual input 9V-56VDC; -40-65C IWMR-3002-1L-1AC-45-24V-WW MR-3002-1L-1AC-45-24V-WW MR-3002-1L-1AC-45-24V-MPAC MWR-3002-1L-1AC-45-24V-BPAC MWR-3002-1L-2AC-25-24V-BPAC MWR-3002	IWMR-3002-1L-1AC-2S-24V-EUNA
industrial One LTE (Dual SIM) One Wi-Fi 11ac/arb/gh Load Balancing Multifunction Router w/ 2 RS232 serial ports and Glabate Ethernet (incl. 1PD): But on US band; dual input 9V-56VDC40-65C IWMR-3002-1L-1AC-252-24V-WW. Industrial One LTE (Dual SIM) One Wi-Fi 11ac/arb/gh Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gigabit Ethernet (incl. 1PD): worldwide band; dual input 9V-56VDC; -40-65C IWMR-3002-1L-1AC-252-24V-APAC. Industrial One LTE (Dual SIM) One Wi-Fi 11ac/arb/gh Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gigabit Ethernet (incl. 1PD): APAC band; dual input 9V-56VDC; -40-65C IWMR-3002-1L-1AC-452-24V-WW. Industrial One LTE (Dual SIM) One Wi-Fi 11ac/arb/gh Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 1PD): But on US band; dual input 9V-56VDC; -40-65C IWMR-3002-1L-1AC-452-24V-WW. Industrial One LTE (Dual SIM) One Wi-Fi 11ac/arb/gh Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 1PD): worldwide band; dual input 9V-56VDC; -40-65C IWMR-3002-1L-1AC-452-24V-APAC. INCL. Industrial One LTE (Dual SIM) One Wi-Fi 11ac/arb/gh Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 1PD): worldwide band; dual input 9V-56VDC; -40-65C IWMR-3002-1L-1AC-452-24V-APAC. INCL. Industrial One LTE (Dual SIM) Tow Wi-Fi 11ac/arb/gh Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 1PD): Worldwide band; dual input 9V-56VDC; -40-65C IWMR-3002-1L-2AC-252-24V-WW. INCL. Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/arb/gh Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethernet (incl. 1PD): worldwide band; dual input 9V-56VDC; -40-65C IWMR-3002-1L-2AC-252-24V-WW. INCL. Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/arb/gh Load Balancing Multifunction Router w/4 RS232 serial ports and Gigabit Ethernet (incl. 1PD): worldwide band; dual input 9V-56VDC; -40-65C IWMR-3002-12-AC-25-AV-WW. Industrial One LTE (Dual SIM	Industrial One LTE (Dual SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports (Gigabit Ethernet (incl. 1PD); EU and US band; dual input 9V~56VDC; -40~65C IWMR-3002-1L-1AC-2S-24V-WW
Gigabit Ethemet (incl. 1PD): EU and US band; dual input 9V-56VDC; -40-85C WMR-3002-1L-1AC-2S-24V-WW. WMR-3002-1L-1AC-2S-324V-BC Gigabit Ethemet (incl. 1PD): worldwide band; dual input 9V-56VDC; -40-85C WMR-3002-1L-1AC-2S-324V-BC Gigabit Ethemet (incl. 1PD): APCA band; dual input 9V-56VDC; -40-65C IWMR-3002-1L-1AC-2S-324V-EUNA Industrial One LTE (Dual SIM) one Wi-Fi 11ac/a/big/in Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gigabit Ethemet (incl. 1PD): APCA band; dual input 9V-56VDC; -40-65C IWMR-3002-1L-1AC-4S-24V-EUNA PNR: 8610-123 IWMR-3002-1L-1AC-4S-24V-EUNA PNR: 8610-123 IWMR-3002-1L-1AC-4S-24V-WW. IWMR-3002-1L-1AC-4S-24V-WW. IRVINES AND SIM ONE Wi-Fi 11ac/a/br/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethemet (incl. 1PD): worldwide band; dual input 9V-56VDC; -40-85C IWMR-3002-1L-1AC-4S-24V-WW. IRVINES AND SIM ONE Wi-Fi 11ac/a/br/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethemet (incl. 1PD): worldwide band; dual input 9V-56VDC; -40-65C IRVINES AND SIM ONE Wi-Fi 11ac/a/br/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethemet (incl. 1PD): APCA band; dual input 9V-56VDC; -40-65C IVMR-3002-1L-2AC-2S-24V-EUNA IRVINES AND SIM ONE Wi-Fi 11ac/a/br/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gigabit Ethemet (incl. 1PD): APCA band; dual input 9V-56VDC; -40-65C IVMR-3002-1L-2AC-2S-24V-EUNA IRVINES AND SIM ONE Wi-Fi 11ac/a/br/g/n Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethemet (incl. 1PD): EU and US band; dual input 9V-56VDC; -40-65C IVMR-3002-1L-2AC-2S-24V-WW IRVINES AND SIM ONE Wi-Fi 11ac/a/br/g/n Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethemet (incl. 1PD): Worldwide band; dual input 9V-56VDC; -40-65C IVMR-3002-1L-2AC-2S-24V-WW IRVINES AND SIM SIM TWO Wi-Fi 11ac/a/br/g/n Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethemet (incl. 1PD): Worldwide band; dual input 9V-56	Gigabit Ethernet (incl. 1PD); EU and US band; dual input 9V~56VDC; -40~65C IWMR-3002-1L-1AC-2S-24V-WW
IWMR-3002-1L-1AC-2S-24V-WW. Industrial One LTE (Dual SIM) One Wi-Fi 11ac/ab/ghr Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gigabit Ethernet (incl. 1PD): worldwide band; dual input 9V-56VDC; -40-65C IWMR-3002-1L-1AC-2S-24V-APAC. IWMR-3002-1L-1AC-4S-24V-APAC. IWMR-3002-1L-1AC-4S-24V-EUNA. Industrial One LTE (Dual SIM) One Wi-Fi 11ac/ab/ghr Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gigabit Ethernet (incl. 1PD): APAC band; dual input 9V-56VDC; -40-65C IWMR-3002-1L-1AC-4S-24V-EUNA. Industrial One LTE (Dual SIM) One Wi-Fi 11ac/ab/ghr Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 1PD): But and US band; dual input 9V-56VDC; -40-65C IWMR-3002-1L-1AC-4S-24V-WW. Industrial One LTE (Dual SIM) One Wi-Fi 11ac/ab/ghr Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 1PD): worldwide band; dual input 9V-56VDC; -40-65C IWMR-3002-1L-1AC-4S-24V-WW. INDUSTRIAL OF ACK-4S-4V-APAC. INDUSTRIAL OF ACK-4S-4V-APAC	IWMR-3002-1L-1AC-2S-24V-WW
Industrial One LTE (Dual SIM) One WI-F1 tackarbigin Load Balancing Multifunction Router w/ 2 RS232 serial ports and Cigabit Ethernet (incl. 1PD): worldwide band; dual input 9V-56VDC; 40-65C IWMR-3002-1L-1AC-2S-24V-APAC. IWMR-3002-1L-1AC-4S-24V-EUNA Industrial One LTE (Dual SIM) One WI-F1 tackarbigin Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gigabit Ethernet (incl. 1PD): APAC band; dual input 9V-56VDC; 40-65C IWMR-3002-1L-1AC-4S-24V-EUNA INDUSTRIAL ONE OF THE (Dual SIM) One WI-F1 tackarbigin Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 4PD): EU and US band; dual input 9V-56VDC; 40-65C IWMR-3002-1L-1AC-4S-24V-EWW. INDUSTRIAL ONE LTE (Dual SIM) One WI-F1 tackarbigin Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 1PD): worldwide band; dual input 9V-56VDC; 40-65C IWMR-3002-1L-1AC-4S-24V-APAC. INDUSTRIAL ONE LTE (Dual SIM) One WI-F1 tackarbigin Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 1PD): worldwide band; dual input 9V-56VDC; 40-65C IWMR-3002-1L-2AC-3S-24V-EUNA INDUSTRIAL ONE LTE (Dual SIM) ONe WI-F1 tackarbigin Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 1PD): EV and US band; dual input 9V-56VDC; 40-65C IWMR-3002-1L-2AC-3S-24V-EUNA INDUSTRIAL ONE LTE (Dual SIM) ONe WI-F1 tackarbigin Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gigabit Ethernet (incl. 1PD): EV and US band; dual input 9V-56VDC; 40-65C IWMR-3002-1L-2AC-3S-24V-WW INDUSTRIAL ONE LTE (Dual SIM) Two WI-F1 tackarbigin Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gigabit Ethernet (incl. 1PD): worldwide band; dual input 9V-56VDC; 40-65C IWMR-3002-1L-2AC-3S-24V-EUNA INDUSTRIAL ONE LTE (Dual SIM) Two WI-F1 tackarbigin Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 1PD): Worldwide band; dual input 9V-56VDC; 40-65C IWMR-3002-1L-2AC-3S-24V-EUNA INDUSTRIAL ONE LTE (Dual SIM)	Industrial One LTE (Dual SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports of Gigabit Ethernet (incl. 1PD); worldwide band; dual input 9V~56VDC; ~40~65C IWMR-3002-1L-1AC-2S-24V-APAC
Glaable Ehremet (incl. 1PD): worldwide band; dual input 9V-56VDC; -40-65C IWMR-3002-11-1AC-2S-24V-EUNA Imdustrial One LTE (Dual SIM) One Wi-Fi 11ac/a/brigh Load Balancing Multifunction Router w/ 2 RS232 serial ports and Glaable Ehremet (incl. 1PD): APAC band; dual input 9V-56VDC; -40-65C IWMR-3002-11-1AC-4S-24V-EUNA Industrial One LTE (Dual SIM) one Wi-Fi 11ac/a/brigh Load Balancing Multifunction Router w/ 4 RS232 serial ports and Glaable Ehremet (incl. 1PD): But and US band; dual input 9V-56VDC; -40-65C IWMR-3002-11-1AC-4S-24V-WW. Industrial One LTE (Dual SIM) one Wi-Fi 11ac/a/brigh Load Balancing Multifunction Router w/ 4 RS232 serial ports and Glaable Ehremet (incl. 1PD): worldwide band; dual input 9V-56VDC; -40-65C IWMR-3002-11-1AC-4S-24V-APAC. IWMR-3002-11-1AC-4S-2S-24V-APAC. IWMR-3002-11-1AC-4S-24V-APAC. IWMR-3002-11-1AC-4S-24V-APAC. IWMR-3002-11-1AC-4S-24V-APAC. IWMR-3002-11-1AC-4S-24V-APAC. IWMR-3002-11-1AC-4S-24V-APAC. IWMR-3002-1AC-4S-4S-24V-APAC. IWMR-3002-1AC-4S-4S-24V-APAC. IWMR-3002-1AC-4S-4S-24V-	Gigabit Ethernet (incl. 1PD); worldwide band; dual input 9V~56VDC; -40~65C IWMR-3002-1L-1AC-2S-24V-APAC
IWMR-3002-11-1AC-23-24V-APAC Industrial One LTE (Dual SIM) One Wi-Fi I Tac/ab/gin/ Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gigabit Ethernet (incl. 1PD): APAC band; dual input 9V-56VDC; -40-65C IWMR-3002-11-1AC-43-24V-EUNA. PN: 8810-123 Industrial One LTE (Dual SIM) one Wi-Fi I Tac/ab/gin/ Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 1PD): EU and US band; dual input 9V-56VDC; -40-65C IWMR-3002-11-1AC-43-24V-WW. PN: 8810-124 Industrial One LTE (Dual SIM) one Wi-Fi I Tac/ab/gin Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 1PD): worldwide band; dual input 9V-56VDC; -40-65C IWMR-3002-11-1AC-43-24V-APAC Industrial One LTE (Dual SIM) one Wi-Fi I Tac/ab/gin/ Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 1PD): APAC band; dual input 9V-56VDC; -40-65C IWMR-3002-11-2AC-23-24V-EUNA. PN: 8810-105 IWMR-3002-11-2AC-23-24V-EUNA. PN: 8810-104 Gigabit Ethernet (incl. 1PD): Put and US band; dual input 9V-56VDC; -40-65C IWMR-3002-11-2AC-23-24V-WW Industrial One LTE (Dual SIM) vo Wi-Fi I Tac/ab/gin/ Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethernet (incl. 1PD): EU and US band; dual input 9V-56VDC; -40-65C IWMR-3002-11-2AC-23-24V-WW Industrial One LTE (Dual SIM) vo Wi-Fi I Tac/ab/gin/ Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethernet (incl. 1PD): worldwide band; dual input 9V-56VDC; -40-65C IWMR-3002-11-2AC-23-24V-WW Industrial One LTE (Dual SIM) vo Wi-Fi I Tac/ab/gin/ Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethernet (incl. 1PD): ADA Chard; dual input 9V-56VDC; -40-65C IWMR-3002-11-2AC-43-24V-EUNA. PN: 8610-126 Industrial One LTE (Dual SIM) vo Wi-Fi Tac/ab/gin/ Load Balancing Multifunction Router w/4 RS232 serial ports and Gigabit Ethernet (incl. 1PD): ADA Chard; dual input 9V-56VDC; -40-65C IWMR-3002-11-2AC-43-24V-EUNA. PN: 8610-126 Industrial Dual LTE (Dual SIM) vo Wi	IWMR-3002-1L-1AC-2S-24V-APAC
Industrial One LTE (Dual SIM) One WI-F1 Tackarbigh Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gigabit Ehremet (incl. 1PD): APAC band: dual input 9V-56VDC; -40-65C IWMR-3002-11-1AC-4S-24V-EUNA	Industrial One LTE (Dual SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports a Gigabit Ethernet (incl. 1PD); APAC band; dual input 9V~56VDC; -40~65C IWMR-3002-1L-1AC-4S-24V-EUNA
WiMR-3002-1L-1AC-4S-24V-EUNA. WiMR-3002-1L-1AC-4S-24V-EUNA. WiMR-3002-1L-1AC-4S-24V-WW. WiMR-3002-1L-1AC-4S-24V-WW. WiMR-3002-1L-1AC-4S-24V-WW. WiMR-3002-1L-1AC-4S-24V-WW. WiMR-3002-1L-1AC-4S-24V-WW. WiMR-3002-1L-1AC-4S-24V-WW. WiMR-3002-1L-1AC-4S-24V-WW. WiMR-3002-1L-1AC-4S-24V-WW. WiMR-3002-1L-1AC-4S-24V-WW. WiMR-3002-1L-1AC-4S-24V-WARC. WiMR-3002-1L-1AC-4S-24V-APAC. WiMR-3002-1L-1AC-4S-24V-APAC. WiMR-3002-1L-2AC-2S-24V-EUNA. WiMR-3002-1L-2AC-2S-24V-EUNA. WiMR-3002-1L-2AC-2S-24V-EUNA. WiMR-3002-1L-2AC-2S-24V-EUNA. WiMR-3002-1L-2AC-2S-24V-WW. WiMR-3002-1L-2AC-3S-24V-WW. WiMR-3002-1L-2AC-3S-24V-WW. WiMR-3002-1L-2AC-3S-24V-WW. WiMR-3002-1L-2AC-3S-24V-WW. WiMR-3002-1L-2AC-3S-24V-WW. WiMR-3002-1L-2AC-3S-24V-WW. WiMR-3002-1L-2AC-3S-24V-WW. WiMR-3002-1L-3C-3S-3W-APAC. P/N: 8610-105 Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/ab/b/g/n Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethernet (incl. 1PD): worldwide band; dual input 9V-56VDC; -40-55C WiMR-3002-1L-2AC-3S-24V-WW. WiMR-3002-1L-3AC-3S-3V-WW. WiMR-3002-1L-3	Gigabit Ethernet (incl. 1PD); APAC band; dual input 9V~56VDC; -40~65C IWMR-3002-1L-1AC-4S-24V-EUNA
IWMR-3002-11-1AC-4S-24V-EUNA. PN: 8610-123 Industrial One LTE (Dual SIM) One Wi-Fi 11ac/ab/bigh Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 1PD); EU and US band; dual input 9V-56VDC; -40-65C IWMR-3002-11-1AC-4S-24V-WW. PN: 8610-124 IWMR-3002-11-1AC-4S-24V-WW. IWMR-3002-11-1AC-4S-24V-APAC IRVMR-3002-11-1AC-4S-24V-APAC IRVMR-3002-11-1AC-4S-24V-APAC IRVMR-3002-11-1AC-4S-24V-WW. IRVMR-3002-11-1AC-4S-24V-WW. IRVMR-3002-11-1AC-4S-24V-WW. IRVMR-3002-11-1AC-4S-24V-EUNA. IRVMR-3002-11-1AC-4S-24V-EUNA. IRVMR-3002-11-1AC-4S-24V-EUNA. IRVMR-3002-11-1AC-4S-24V-EUNA. IRVMR-3002-11-1AC-4S-24V-EUNA. IRVMR-3002-11-1AC-4S-24V-EUNA. IRVMR-3002-11-2AC-2S-24V-EUNA. IRVMR-3002-11-2AC-5S-24V-EUNA. IRVMR-3002-11-2AC-5S-24V-EUNA. IRVMR-3002-11-2AC-5S-24V-EUNA. IRVMR-3002-11-2AC-5S-24V-EUNA. IRVMR-3002-11-2AC-5S-24V-EUNA. IRVMR-3002-11-2AC-5S-24V-EUNA. IRVMR-3002-11-2AC-5S-24V-EUNA. IRVMR-3002-11-2AC-5S-24V-EUNA. IRVMR-3002-11-2AC-5S-24V-APAC. IRVMR-3002-11-2AC-5S-24V-APAC. IRVMR-3002-11-2AC-5S-24V-APAC. IRVMR-3002-11-2AC-5S-24V-APAC. IRVMR-3002-11-2AC-5S-24V-APAC. IRVMR-3002-11-2AC-5S-24V-EUNA. IRVMR-3002-11-3AC-5S-4V-EUNA. IRVMR-3002-11-3AC-5S-4V-EUNA	IWMR-3002-1L-1AC-4S-24V-EUNA
Industrial One LTE (Dual SIM) One WI-Fi 1 tao/a/b/g/n Load Balancing Multfunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (Incl. 1PD): EU and US band; dual input 9V-56VDC; -40-65C IVMR-3002-11-1AC-45-24V-WW	Industrial One LTE (Dual SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports (Gigabit Ethernet (incl. 1PD); EU and US band; dual input 9V~56VDC; -40~65C IWMR-3002-1L-1AC-4S-24V-WW
Gigabit Ethernet (incl. 1PD): EU and US band; dual input 9V–56VDC; 40–65C WMR-3002-1L-1AC-4S-24V-WW. P/N: 8610-124 industrial One LTE (Dual SIM) One Wi-Fi 11ac/ab/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 1PD): worldwide band; dual input 9V–56VDC; 40–65C IMMR-3002-1L-1AC-4S-24V-PAC. P/N: 8610-125 industrial One LTE (Dual SIM) One Wi-Fi 11ac/ab/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 1PD): APAC band; dual input 9V–56VDC; 40–65C IWMR-3002-1L-2AC-2S-24V-EUNA. P/N: 8610-104 industrial One LTE (Dual SIM) Two Wi-Fi 11ac/ab/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gigabit Ethernet (incl. 1PD): EV and US band; dual input 9V–56VDC, 40–65C IWMR-3002-1L-2AC-2S-24V-WW. P/N: 8610-105 Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/ab/g/n Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethernet (incl. 1PD): Worldwide band; dual input 9V–56VDC, 40–65C IWMR-3002-1L-2AC-2S-24V-APAC Gigabit Ethernet (incl. 1PD): Worldwide band; dual input 9V–56VDC, 40–65C IWMR-3002-1L-2AC-2S-24V-APAC Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/ab/g/n Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethernet (incl. 1PD): APAC band; dual input 9V–56VDC, 40–65C IWMR-3002-1L-2AC-4S-24V-EUNA. P/N: 8610-126 industrial One LTE (Dual SIM) Two Wi-Fi 11ac/ab/g/n Load Balancing Multifunction Router w/4 RS232 serial ports and Gigabit Ethernet (incl. 1PD): EV and US band; dual input 9V–56VDC, 40–65C IWMR-3002-1L-2AC-4S-24V-EUNA. P/N: 8610-126 industrial One LTE (Dual SIM) Two Wi-Fi 11ac/ab/g/n Load Balancing Multifunction Router w/4 RS232 serial ports and Gigabit Ethernet (incl. 1PD): EV and US band; dual input 9V–56VDC, 40–65C IWMR-3002-1L-2AC-4S-24V-WW. P/N: 8610-128 IWMR-3002-1L-2AC-4S-24V-WW. P/N: 8610-128 IWMR-3002-1L-2AC-4S-24V-WW. P/N: 8610-128 IWMR-3002-1L-2AC-4S-24V-WW. P/N: 8610-128 IWMR-3002-1L-4C-4S-4D-4D-4D-4D-4D-4D-4D-4D-4D-4D-4D-4D-4D-	Gigabit Ethernet (incl. 1PD); EU and US band; dual input 9V~56VDC; -40~65C IWMR-3002-1L-1AC-4S-24V-WW
IWMR-3002-1L-1AC-4S-24V-WW. Industrial One LTE (Dual SIM) One Wi-Fi 11ac/a/bigh Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 1PD); worldwide band; dual input 9V-56VDC; -40-56C IWMR-3002-1L-1AC-4S-24V-APAC. IWMR-3002-1L-1AC-4S-24V-APAC. IWMR-3002-1L-1AC-4S-24V-APAC. IWMR-3002-1L-1AC-4S-24V-APAC. IWMR-3002-1L-1AC-4S-24V-APAC. IWMR-3002-1L-1AC-4S-24V-APAC. IWMR-3002-1L-1AC-4S-24V-APAC. IWMR-3002-1L-2AC-52-24V-EUNA. IWMR-3002-1L-2AC-52-24V-EUNA. IWMR-3002-1L-2AC-52-24V-EUNA. IWMR-3002-1L-2AC-52-24V-EUNA. IWMR-3002-1L-2AC-52-24V-WW. IWMR-3002-1L-2AC-52-24V-WW. IWMR-3002-1L-2AC-52-24V-WW. IWMR-3002-1L-2AC-52-24V-WW. IWMR-3002-1L-2AC-52-24V-WW. IWMR-3002-1L-2AC-52-54V-WW. IWMR-3002-1L-2AC-52-54V-PAPAC. IWMR-3002-1L-2AC-52-54V-PAPAC. IWMR-3002-1L-2AC-52-54V-PAPAC. IWMR-3002-1L-2AC-52-54V-PAPAC. IWMR-3002-1L-2AC-52-54V-PAPAC. IWMR-3002-1L-2AC-52-54V-PAPAC. IWMR-3002-1L-2AC-52-54V-PAPAC. IWMR-3002-1L-2AC-52-54V-PAPAC. IWMR-3002-1L-2AC-52-54V-PAPAC. IWMR-3002-1L-3AC-52-54V-PAPAC. IWMR-3002-1L-3AC-52-54V-PAPAC. IWMR-3002-1L-3AC-52-54V-PAPAC. IWMR-3002-1L-3AC-52-54V-PAPAC. IWMR-3002-1L-3AC-52-54V-PAPAC. IWMR-3002-1L-3AC-52-54V-PAPAC. IWMR-3002-1L-3AC-5	IWMR-3002-1L-1AC-4S-24V-WW
Industrial One LTE (Dual SIM) One WI-Fi 11ac/ab/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 1PD); worldwide band; dual input 9V-56VDC; -40-65C IWMR-3002-11_1AC-48-24V-APAC	Industrial One LTE (Dual SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports : Gigabit Ethernet (incl. 1PD); worldwide band; dual input 9V-56VDC; -40-65C IWMR-3002-1L-1AC-4S-24V-APAC
IVMR-3002-1L-1AC-4S-24V-APAC Industrial One LTE (Dual SIM) One WI-F1 11ac/ab/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 1PD): APAC band: dual input 9V-56VDC; -40-65C IVMR-3002-1L-2AC-2S-24V-EUNA Industrial One LTE (Dual SIM) Two WI-F1 11ac/ab/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gigabit Ethernet (incl. 1PD): EU and US band; dual input 9V-56VDC -40-65C IVMR-3002-1L-2AC-2S-24V-WW PN: 8610-105 IVMR-3002-1L-2AC-2S-24V-WW PN: 8610-105 IVMR-3002-1L-2AC-2S-24V-WW INDUSTRIAN THAN THAN THAN THAN THAN THAN THAN TH	IWMR-3002-1L-1AC-4S-24V-APACP/N: 8610-125
Industrial One LTE (Dual SIM) One WI-Fi 11ac/ab/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports and Gigabit Ethernet (incl. 1PD); APAC band; dual input 9V–56VDC; 40–65C IWMR-3002-11-2AC-25-24V-EUNA. PN: 8610-104 Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/ab/g/n Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethernet (incl. 1PD); EU and US band; dual input 9V–56VDC 40–65C IWMR-3002-11-2AC-25-24V-WW PN: 8610-105 Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/ab/g/n Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethernet (incl. 1PD); worldwide band; dual input 9V–56VDC; 40–65C IWMR-3002-11-2AC-25-24V-APAC PN: 8610-106 Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/ab/g/n Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethernet (incl. 1PD); APAC band; dual input 9V–56VDC; 40–65C IWMR-3002-11-2AC-4S-24V-EUNA PN: 8610-126 Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/ab/g/n Load Balancing Multifunction Router w/4 RS232 serial ports and Gigabit Ethernet (incl. 1PD); EU and US band; dual input 9V–56VDC; 40–65C IWMR-3002-11-2AC-4S-24V-EWW PN: 8610-127 Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/ab/g/n Load Balancing Multifunction Router w/4 RS232 serial ports and Gigabit Ethernet (incl. 1PD); worldwide band; dual input 9V–56VDC; 40–65C IWMR-3002-11-2AC-4S-24V-APAC PN: 8610-128 IMMR-3002-11-2AC-4S-24V-APAC PN: 8610-128 IMMR-3002-21-2AC-4S-24V-APAC PN: 8610-128 IMMR-3002-21-2AC-5S-4V-EUNA Imdustrial Dual LTE (Quad SIM) One Wi-Fi 11ac/ab/g/n Load Balancing Multifunction Router w/4 RS232 serial ports and Gigabit Ethernet (incl. 1PD); APAC band; dual input 9V–56VDC; -40–65C IWMR-3002-21-1AC-2S-4V-EUNA Imdustrial Dual LTE (Quad SIM) One Wi-Fi 11ac/ab/g/n Load Balancing Multifunction Router w/4 RS232 serial ports are port Gigabit Ethernet (incl. 1PD): EU and US band; single high power 90–305VAC / 120–430VDC; -40–65C IWMR-3002-21-1AC-2S-4V-EWW IMMR-3002-21-1AC-3S-4V-EWW IMMR-3002-21-1AC-3S-4V-EWW IMMR-3002-21-1AC-3S	
Gigabit Ethernet (incl. 1PD); APAC band; dual input 9V-56VDC; -40-65C IWMR-3002-1L-2AC-2S-24V-EUNA Industrial One LTE (Dual SIM) Two WI-F1 11ac/a/b/g/n Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethernet (incl. 1PD); EU and US band; dual input 9V-56VDC; -40-65C IWMR-3002-1L-12AC-2S-24V-WW IWMR-3002-1L-2AC-2S-24V-WW IWMR-3002-1L-2AC-2S-24V-BPAC IRVMR-3002-1L-2AC-2S-24V-BPAC IRVMR-3002-1L-2AC-2S-24V-BPAC IRVMR-3002-1L-2AC-2S-24V-BPAC IRVMR-3002-1L-2AC-2S-24V-BPAC IRVMR-3002-1L-2AC-2S-24V-BPAC IRVMR-3002-1L-2AC-2S-24V-BPAC IRVMR-3002-1L-2AC-2S-24V-EUNA IRVMR-3002-1L-2AC-2S-24V-EUNA IRVMR-3002-1L-2AC-4S-24V-EUNA IRVMR-3002-1L-2AC-4S-24V-EUNA IRVMR-3002-1L-2AC-4S-24V-WW IRVMR-3002-1L-2AC-4S-24V-WW IRVMR-3002-1L-2AC-4S-24V-WW IRVMR-3002-1L-2AC-4S-24V-WW IRVMR-3002-1L-2AC-4S-24V-WW IRVMR-3002-1L-2AC-4S-24V-WW IRVMR-3002-1L-2AC-4S-24V-WW IRVMR-3002-1L-2AC-4S-24V-BPAC IRVMR-3002-2L-1AC-2S-HV-EUNA IRVMR-3002-2L-1AC-2S-HV-EUNA IRVMR-3002-2L-1AC-2S-HV-EUNA IRVMR-3002-2L-1AC-3S-HV-EUNA IRVMR-3002-2L-1AC-3S-HV-BPAC IRVMR-3002-2L-1AC-4S-HV-BPAC IRVMR-3002-2L-1AC-4S-HV-BPAC	Industrial One LTE (Dual SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports
IWMR-3002-1L-2AC-2S-24V-EUNA	
Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethernet (incl. 1PD); EU and US band; dual input 9V-56VDC; -40-65C IWMR-3002-11-2AC-25-24V-WW P/R: 8610-105 Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethernet (incl. 1PD); worldwide band; dual input 9V-56VDC; -40-65C IWMR-3002-11-2AC-25-24V-APAC P/R-W P/R: 8610-106 Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethernet (incl. 1PD); APAC band; dual input 9V-56VDC; -40-65C IWMR-3002-11-2AC-45-24V-EUNA P/R-W P/R: 8610-126 Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/4 RS232 serial ports and Gigabit Ethernet (incl. 1PD); EU and US band; dual input 9V-56VDC -40-65C IWMR-3002-11-2AC-45-24V-WW P/R: 8610-127 Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/4 RS232 serial ports and Gigabit Ethernet (incl. 1PD); worldwide band; dual input 9V-56VDC; -40-65C IWMR-3002-11-2AC-45-24V-APAC P/R: 8610-127 Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/4 RS232 serial ports and Gigabit Ethernet (incl. 1PD); APAC band; dual input 9V-56VDC; -40-65C IWMR-3002-21-1AC-25-HV-EUNA P/R: 8610-118 Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethernet (incl. 1PD); EU and US band; single high power 90-305VAC / 120-430VDC; -40-65C IWMR-3002-21-1AC-25-HV-EUNA P/R: 8610-110 Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethernet (incl. 1PD); EU and US band; single high power 90-305VAC / 120-430VDC; -40-65C IWMR-3002-21-1AC-4S-HV-EUNA P/R: 8610-119 Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/4 RS232 serial ports and Gigabit Ethernet (in	Gigabit Ethernet (incl. 1PD); APAC band; dual input 9V~56VDC; -40~65C
Gigabit Ethernet (incl. 1PD); EU and US band; dual input 9V–56VDC -40–65C IWMR-3002-1L-2AC-2S-24V-WW Industrial One LTE (Dual SIM) Two WI-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethernet (incl. 1PD); worldwide band; dual input 9V–56VDC; -40–65C IWMR-3002-1L-2AC-2S-24V-APAC Industrial One LTE (Dual SIM) Two WI-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/2 RS232 serial ports and Gigabit Ethernet (incl. 1PD); APAC band; dual input 9V–56VDC; -40–65C IWMR-3002-1L-12AC-4S-24V-EUNA. IWMR-3002-1L-12AC-4S-24V-EUNA. IGGabit Ethernet (incl. 1PD); EU and US band; dual input 9V–56VDC; -40–65C IWMR-3002-1L-12AC-4S-24V-WW IWMR-3002-1L-12AC-4S-24V-WW IWMR-3002-1L-12AC-4S-24V-WW IWMR-3002-1L-12AC-4S-24V-WW IWMR-3002-1L-12AC-4S-24V-WW IWMR-3002-1L-12AC-4S-24V-WW IWMR-3002-1L-12AC-4S-24V-MPAC INDUSTRIAL I	IWMR-3002-1L-2AC-2S-24V-EUNAP/N: 8610-104
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Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/4 RS232 serial ports and Gigabit Ethernet (incl. 1PD); APAC band; dual input 9V–56VDC; -40–65C IWMR-3002-2L-1AC-2S-HV-EUNA P/N: 8610-110 Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports are port Gigabit Ethernet (incl. 1PD); EU and US band; single high power 90–305VAC / 120–430VDC; -40–65C IWMR-3002-2L-1AC-2S-HV-WW. P/N: 8610-111 Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports are port Gigabit Ethernet (incl. 1PD); worldwide band; single high power 90–305VAC / 120–430VDC; -40–65C IWMR-3002-2L-1AC-2S-HV-APAC P/N: 8610-112 Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports are port Gigabit Ethernet (incl. 1PD); APAC band; single high power 90–305VAC / 120–430VDC; -40–65C IWMR-3002-2L-1AC-4S-HV-EUNA P/N: 8610-129 Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports are port Gigabit Ethernet (incl. 1PD); EU and US band; single high power 90–305VAC / 120–430VDC; -40–65C IWMR-3002-2L-1AC-4S-HV-WW P/N: 8610-130 Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports are port Gigabit Ethernet (incl. 1PD); worldwide band; single high power 90–305VAC / 120–430VDC; -40–65C IWMR-3002-2L-1AC-4S-HV-APAC P/N: 8610-138 Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports are port Gigabit Ethernet (incl. 1PD); worldwide band; single high power 90–305VAC / 120–430VDC; -40–65C IWMR-3002-1L-1AC-2S-HV-EUNA P/N: 8610-118 Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports are port Gigabit Ethernet (incl. 1PD); aPAC band; single high power 90–305VAC / 120–430VDC; -40–65C IWMR-3002-1L-1AC-2S-HV-EUNA P/N: 8610-115 Indu	
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IWMR-3002-2L-1AC-2S-HV-APAC	Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports
Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports are port Gigabit Ethernet (incl. 1PD); APAC band; single high power 90~305VAC / 120~430VDC; -40~65C IWMR-3002-2L-1AC-4S-HV-EUNA	port Gigabit Ethernet (incl. 1PD); worldwide band; single high power 90~305VAC / 120~430VDC; -40~65C
port Gigabit Ethernet (incl. 1PD); APAC band; single high power 90~305VAC / 120~430VDC; -40~65C IWMR-3002-2L-1AC-4S-HV-EUNA	IWMR-3002-2L-1AC-2S-HV-APACP/N: 8610-112
IWMR-3002-2L-1AC-4S-HV-EUNA	
Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports are port Gigabit Ethernet (incl. 1PD); EU and US band; single high power 90~305VAC / 120~430VDC; -40~65C IWMR-3002-2L-1AC-4S-HV-WW	
port Gigabit Ethernet (incl. 1PD); EU and US band; single high power 90~305VAC / 120~430VDC; -40~65C IWMR-3002-2L-1AC-4S-HV-WW	IWMR-3002-2L-1AC-4S-HV-EUNAP/N: 8610-129
IWMR-3002-2L-1AC-4S-HV-WW	
Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports are port Gigabit Ethernet (incl. 1PD); worldwide band; single high power 90~305VAC / 120~430VDC; -40~65C IWMR-3002-2L-1AC-4S-HV-APAC P/N: 8610-138 Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports are port Gigabit Ethernet (incl. 1PD); APAC band; single high power 90~305VAC / 120~430VDC; -40~65C IWMR-3002-1L-1AC-2S-HV-EUNA P/N: 8610-114 Industrial One LTE (Dual SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gigabit Ethernet (incl. 1PD); EU and US band; single high power 90~305VAC / 120~430VDC; -40~65C IWMR-3002-1L-1AC-2S-HV-WW P/N: 8610-115 Industrial One LTE (Dual SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gigabit Ethernet (incl. 1PD); worldwide band; single high power 90~305VAC / 120~430VDC; -40~65C IWMR-3002-1L-1AC-2S-HV-APAC P/N: 8610-116 Industrial One LTE (Dual SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gigabit Ethernet (incl. 1PD); APAC band; single high power 90~305VAC / 120~430VDC; -40~65C	
port Gigabit Ethernet (incl. 1PD); worldwide band; single high power 90~305VAC / 120~430VDC; -40~65C IWMR-3002-2L-1AC-4S-HV-APAC	
IWMR-3002-2L-1AC-4S-HV-APAC	
Industrial Dual LTE (Quad SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports are port Gigabit Ethernet (incl. 1PD); APAC band; single high power 90~305VAC / 120~430VDC; -40~65C IWMR-3002-1L-1AC-2S-HV-EUNA	
port Gigabit Ethernet (incl. 1PD); APAC band; single high power 90~305VAC / 120~430VDC; -40~65C IWMR-3002-1L-1AC-2S-HV-EUNA	
IWMR-3002-1L-1AC-2S-HV-EUNA	
Industrial One LTE (Dual SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gigabit Ethernet (incl. 1PD); EU and US band; single high power 90~305VAC / 120~430VDC; -40~65C IWMR-3002-1L-1AC-2S-HV-WW	
Gigabit Ethernet (incl. 1PD); EU and US band; single high power 90~305VAC / 120~430VDC; -40~65C IWMR-3002-1L-1AC-2S-HV-WW	
IWMR-3002-1L-1AC-2S-HV-WW	
Industrial One LTE (Dual SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gigabit Ethernet (incl. 1PD); worldwide band; single high power 90~305VAC / 120~430VDC; -40~65C IWMR-3002-1L-1AC-2S-HV-APAC	
Gigabit Ethernet (incl. 1PD); worldwide band; single high power 90~305VAC / 120~430VDC; -40~65C IWMR-3002-1L-1AC-2S-HV-APAC	
IWMR-3002-1L-1AC-2S-HV-APAC P/N: 8610-116 Industrial One LTE (Dual SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gigabit Ethernet (incl. 1PD); APAC band; single high power 90~305VAC / 120~430VDC; -40~65C	
Industrial One LTE (Dual SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 2 RS232 serial ports and Gigabit Ethernet (incl. 1PD); APAC band; single high power 90~305VAC / 120~430VDC; -40~65C	
Gigabit Ethernet (incl. 1PD); APAC band; single high power 90~305VAC / 120~430VDC; -40~65C	
	IWMR-3002-1L-1AC-2S-HV-APACP/N: 8610-116
	IWMR-3002-1L-1AC-2S-HV-APAC

Industrial One LTE (Dual SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports and 2 port



Gigabit Ethernet (incl. 1PD); EU and US band; single high power 90~305VAC / 120~430VDC; -40~65C

■ IWMR-3002-1L-1AC-4S-HV-WW......P/N: 8610-133

Industrial One LTE (Dual SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports and 2 port Gigabit Ethernet (incl. 1PD); worldwide band; single high power 90~305VAC / 120~430VDC; -40~65C

■ IWMR-3002-1L-1AC-4S-HV-APAC......P/N: 8610-134

Industrial One LTE (Dual SIM) One Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/ 4 RS232 serial ports and 2 port Gigabit Ethernet (incl. 1PD); APAC band; single high power 90~305VAC / 120~430VDC; -40~65C

■ IWMR-3002-1L-2AC-2S-HV-EUNA......P/N: 8610-117

Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/2 RS232 serial ports and 2 port Gigabit Ethernet (incl. 1PD); EU and US band; single high power 90~305VAC / 120~430VDC; -40~65C

■ IWMR-3002-1L-2AC-2S-HV-WWP/N: 8610-118

Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/2 RS232 serial ports and 2 port Gigabit Ethernet (incl. 1PD); worldwide band; single high power 90~305VAC / 120~430VDC; -40~65C

■ IWMR-3002-1L-2AC-2S-HV-APACP/N: 8610-119

Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/2 RS232 serial ports and 2 port Gigabit Ethernet (incl. 1PD); APAC band; single high power 90~305VAC / 120~430VDC; -40~65C

■ IWMR-3002-1L-2AC-4S-HV-EUNA......P/N: 8610-135

Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/4 RS232 serial ports and 2 port Gigabit Ethernet (incl. 1PD); EU and US band; single high power 90~305VAC / 120~430VDC; -40~65C

■ IWMR-3002-1L-2AC-4S-HV-WWP/N: 8610-136

Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/4 RS232 serial ports and 2 port Gigabit Ethernet (incl. 1PD); worldwide band; single high power $90 \sim 305 \text{VAC} / 120 \sim 430 \text{VDC}$; $\sim 40 \sim 65 \text{C}$

■ IWMR-3002-1L-2AC-4S-HV-APACP/N: 8610-137

Industrial One LTE (Dual SIM) Two Wi-Fi 11ac/a/b/g/n Load Balancing Multifunction Router w/4 RS232 serial ports and 2 port Gigabit Ethernet (incl. 1PD); APAC band; single high power 90~305VAC / 120~430VDC; -40~65C

EMMC Flash Storage

Software License

■ LOAD BALANCING Full Package......P/N: 9000-102

OPTIONAL ACCESSORIES

Multifunction Antenna

ANT11000091

5-in-1 omnidirectional antenna – 2G/3G/4G (698-960/1710~2170/2300~2700MHz) MIMO x2 + Wi-Fi 2.4/5GHz MIMO x2 + GPS/GLONASS/GALILEO (1575.42/1602MHz) x1, 3dBi, IP67



ANT11000092

6-in-1 omnidirectional antenna – 2G/3G/4G (698-960/1710~2170/2300~2700MHz) MIMO x2 + Wi-Fi 2.4/5GHz MIMO x1 + GPS/GLONASS/GALILEO/BeiDou (1561/1575.42/1602MHz) x1 + AM/FM x1 + DSRC x1, 6dBi, IP67



GPS Antenna

■ ANT12000001

SMA GPS antenna, 28dB, 300m



Cellular Antenna

ANT11000041

 $2 \text{G}/3 \text{G}/4 \text{G dipole antenna}, \ 791-960/1710-2170/2500-2700 \text{MHz}, \ 3 \text{dBi}, \ \text{SMA plug}, \ \text{EU}$



Antenna Base

ADA11000052

Magnetic antenna base for Wi-Fi, RP SMA Jack Base, Length: 1M



ADA11000053

Magnetic antenna base for 3G/4G, RP SMA Jack Base, Length: 1M



Lantech Communications Global Inc.

www.lantechcom.tw info@lantechcom.tw

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