

IGS-6416XSFP

16 10/100/1000T at/af + 4 1G/2.5G/10G SFP+ L2+ Industrial Managed

Ethernet Switch w/ Enhanced G.8032 Ring, PXE, 24V/HV input

- Auto-sensing triple speed1G/2.5G/10G SFP+ Uplink Cage
- Support PXE to verify switch firmware with the latest or certain version on server
- Enhanced G.8032 ring protection < 20ms for single ring. Supports enhanced mode and basic mode; Enhanced G.8032 ring covers multicast packets; MSTP 8 MSTI /RSTP; support MRP ring
- Miss-wiring avoidance & node failure protection
- User friendly UI, including auto topology drawing and DDM threshold monitoring with dB values***; Complete CLI
- Support LACP link aggregation, IGMP v3/router port, MLD snooping, DHCP server & DHCP Option82: Port based DHCP distribution, Mac based DHCP server, SSH v2/SSL, HTTPS, INGRESS ACL L2/L3, TACACS+, subnet VLAN and protocol VLAN
- Dual Input voltage 12~57VDC (24V model); Single input power 90~305VAC/120~430VDC (HV model)
- Enhanced Environmental Monitoring for temp., actual input voltage, current & total power load
- Optional L3Lite/L3* to be upgradable
- Wide range operation temperature (-E model):-40~75C/-40~167F; Fan-less design





















OVERVIEW

Lantech IGS-6416XSFP is a high performance L2+ (All Gigabit) Ethernet switch with 16 100/1000T + 4 1G/2.5G/10G auto sensing SFP⁺ ports which provides advanced security function for network aggregation deployment. It delivers ITU G.8032 enhanced ring recovery less than 20ms in single ring while also supports enhanced mode with easy configuration, comprehensive QoS, advanced security including INGRESS ACL L2/L3, TACACS+, SSH v2/SSL, Mac based DHCP server, DHCP Option 82, DHCP server, IGMPv1/v2/v3/router port which are important features required in large network. The Cisco Discovery Protocol (CDP) and LLDP are supported for Ciscoworks to detect the switch info and show on L2 map topology.

Miss-wiring avoidance, Loop protection, node failure protection

The IGS-6416XSFP also embedded several features for stronger and reliable network protection in an easy and intuitive way. When the pre-set ring configuration failed or looped by miss-wiring, Lantech IGS-6416XSFP is able to alert with the

LED indicator and disable ring automatically. Node failure protection ensures the switches in a ring to survive after power breakout is back. The status can be shown in NMS when each switch is back. Loop protection is also available to prevent the generation of broadcast storm when a dumb switch is inserted in a closed loop connection.

Support PXE to verify switch firmware with the latest or certain version

The switch can check its firmware version during booting time via PXE protocol. If switch finds any newer version, it will upload automatically.

DHCP option 82 & Port based, Mac based DHCP, Option66, IPv6 DHCP server

DHCP server can assign dedicated IP address by MAC or by port (Port based for single switch), it also can assign IP address by port for multiple switches with single DHCP option82 server. For the ending device, which need to download file from TFTP server, DHCP Option66 server can



offer IP address of TFTP server to DHCP client. Basic IPv6 DHCP service can be supported.

User friendly GUI, Auto topology drawing

The user friendly UI, innovative auto topology drawing and topology demo makes IGS-6416XSFP much easier to get hands-on. The complete CLI enables professional engineer to configure setting by command line.

Enhanced G.8032 ring, 8 MSTI MSTP; MRP ring

Lantech IGS-6416XSFP features enhanced G.8032 ring which can be self-healed in less than 20ms for single ring topology protection covering multicast packets. It also supports various ring topologies that covers enhanced ring and basic ring by easy setup than others. It supports MSTP that allows RSTP over VLAN for redundant links with 8 MSTI.

MRP (Media Redundancy Protocol) can be supported for industrial automation networks.

IGMPv3, GMRP, router port, MLD Snooping, static multicast forwarding and multicast Ring protection

The unique multicast protection under enhanced G.8032 ring can offer immediate self-recovery instead of waiting for IGMP table timeout. It also supports IGMPv3, GMRP, router port , MLD snooping and static multicast forwarding binding by ports for video surveillance application.

QoS by VLAN for legacy device

QoS by VLAN can allow switch to tag QoS by VLAN regardless the devices acknowledge QoS or not in which greatly enhance the bandwidth management in a network.

QinQ, QoS and GVRP supported

It supports the QinQ, QoS and GVRP for large VLAN segmentation.

Enhanced Storm control*

Storm control prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on one of the physical interfaces and the detection is more precise and reaction is more efficient.

Optional L3Lite/L3* to be upgradable

Lantech OS3 is optional upgradable to L3 Lite for future expansion. The optional L3Lite includes editable routing table,

VRRP, Router-on-a-stick, Inter- VLAN routing.

Editable configuration file; USB port for upload/download configuration

The configuration file of Lantech IGS-6416XSFP can be exported and edited with word processor for the following switches to configure with ease.

The USB port can upload/download the configuration from/to USB dongle.

2DI/2DO for relay contact and event alerting by email & traps

In case of event, the IGS-6416XSFP is able to send an email to pre-defined addresses as well as SNMP Traps out immediately. It provides 2DI and 2DO. When disconnection of the specific port was detected; DO will activate the signal LED to alarm. DI can integrate the sensors for events and DO will trigger the alarm while sending alert information to IP network with email and traps.

Enhanced environmental monitoring for switch inside information

The enhanced environmental monitoring can detect switch overall temperature, total power load, voltage and current where can send the SNMP traps, email when abnormal.

24V/HV input voltage selection: dual 12V-57VDC (24V model) or single 90~305VAC/120~430VDC (HV model)

The IGS-6416XSFP being able to work from 12VDC to 57VDC (24V model). Or with single high power supply at $90\sim305VAC/120\sim430VDC$ (HV model).

Industrial hardened design with high EFT and ESD protection

Lantech IGS-6416XSFP features high reliability and robustness coping with extensive EMI/RFI phenomenon, environmental vibration and shocks usually found in factory, substation, steel automation, aviation, mining and process control. Featured with relay contact alarm function, the IGS-6416XSFP is able to connect with alarm system in case of power failure or port disconnection.

It is the best solution for Automation, transportation, surveillance, Wireless backhaul, Semi-conductor factory applications. The -E model can be used in extreme environments with an operating temperature range of -40°C to 75°C.

FEATURES & BENEFITS

- 16 100/1000T + 4 1G/2.5G/10G auto sensing SFP*
 ports (Total 20 Ports Switch)
- Back-plane (Switching Fabric): 112Gbps
- 16K MAC address table
- Dual input from 12V~57VDC (24V model); HV single input from 90~305VAC/120~430VDC (HV model)
- DDM to support SFP diagnostic function***
 - Automatically convert the raw data into dB values for TX power/RX power, making it easier to measure the fiber distance
- 10KB Jumbo frame
- User friendly UI, auto topology drawing, topology demo, complete CLI for professional setting

- Enhanced G.8032 Ring protection in 20ms for single ring
 - Support various ring/chain topologies, including enhanced ring & basic ring
 - Enhanced G.8032 ring configuration with ease
 - Cover multicast and data packets protection
- Supports IEEE 802.1p Class of Service, per port provides 8 priority queues Port base, Tag Base and Type of Service Priority
- IEEE 802.1d STP, IEEE 802.1w RSTP,802.1s MSTP VLAN redundancy with 8 MSTI
- 4K 802.1Q VLAN, Port based VLAN, GVRP
- Supports IEEE 802.1ab LLDP, Cisco CDP; LLDP info can be viewed via Web/ Console

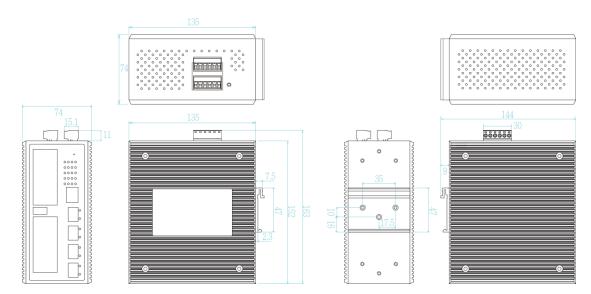


- Support PXE to verify switch firmware with the latest or certain version
- DHCP server / client / DHCP Option 82 relay / DHCP Option 82 server; Port based DHCP server; Basic DHCP Option 66
- Mac based DHCP server to assign IP address that includes dumb switches in DHCP network
- Bandwidth Control
 - Ingress packet filter and egress rate limit
 - Broadcast/multicast packet filter control
- Relay alarm output system events
- Miss-wiring avoidance
 - LED indicator
- Node failure protection
 - Ensure the switches in a ring to survive after power breakout is back
 - The status can be shown in NMS when each switch is back
- TFTP/HTTP firmware upgrade
- System Event Log, SMTP Email alert and SNMP
 Trap for alarm support; 32 RMON counters
- Security
 - SSL/SSH v2/INGRESS ACL L2/L3
 - MAC address table: MAC address entries/Filter/static MAC-Port binding
 - Remote Admin: IP address security
 management to prevent unauthorized intruder.
 - · TACACS+
 - Login Security: IEEE802.1X/RADIUS
 - HTTPS for secure access to the web interface
- Static multicast forwarding forward reversed IGMP

- flow with multicast packets binding with ports for IP surveillance application
- IGMP router port for Multicast protection
- IGMPv1,v2,v3 with Query mode for multimedia;
 GMRP
- Dual image firmware support
- MLD Snooping for IPv6 Multicast stream
- Factory reset button to restore setting to factory default
- Watchdog design to auto reboot switch when CPU is found dead
- Enhanced environmental monitoring for system actual input voltage, current, ambient temperature and total power load
- Diagnostic including Ping / ARP table / DDM information
- Optional L3Lite/L3* to be upgradable
- Supports DIDO (Digital Input/Digital Output)
- Configuration backup and restoration
 - Supports editable configuration file for system quick installation
 - USB port to upload/download firmware by USB dongle
- Wide operation temperature (-E model): -40C~75C/-40F~167F; Fan-less design
- IP30 metal housing with DIN rail and Wall-mount** design

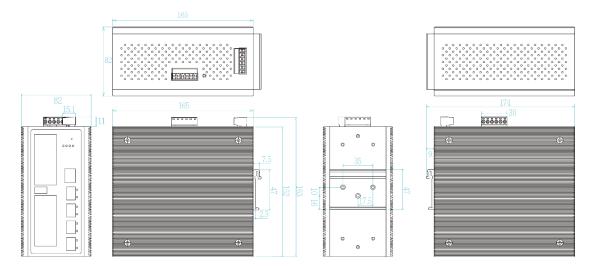
DIMENSIONS (unit=mm)

24V model





HV model



SPECIFICATION

0. 20	IOAIION			
Hardware Specification WDM 2.5Gbps				
Standards	IEEE802.3 10Base-T Ethernet IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-T IEEE802.3x Gigabit fiber IEEE802.3x Flow Control and Back Pressure IEEE802.3x Flow Control and Back Pressure IEEE802.3d Port trunk with LACP IEEE802.1d Spanning Tree IEEE802.1w Rapid Spanning Tree IEEE802.1s Multiple Spanning Tree IEEE802.3ad Link Aggregation Control Protocol (LACP) IEEE802.1AB Link Layer Discovery Protocol (LLUP) IEEE802.1X User Authentication (Radius) IEEE802.1 Class of Service		Single-mode: 0 to 5 km/ 20 km/ 40 km/ 60 km, 1310 /1550nm (9/125 μm); 0 to 80 km, 1490/1550 nm (9/125 μm) 10Gbps Multi-mode: 0 to 300 m, 850 nm (OM3 50/125 μm); Single mode: 0 to 10 km/ 20 km, 1310 nm (9/125 μm); 0 to 40 km/ 80km/ 100 km, 1550 nm (9/125 μm) WDM 10Gbps Single-mode: 0 to 10 km/ 20 km/ 40 km/ 60 km, 1270/1330 nm (9/125 μm); 0 to 80km, 1490/1550 nm (9/125 μm);	
Switch Architecture	IEEE802.1Q VLAN Tag Back-plane (Switching Fabric): 112Gbps	LED	Per unit: Power 1 (Green), Power 2 (Green), FAULT (Red); RM(Green) Ethernet port: Link/Activity (Green), Speed	
Mac Address	16K MAC address table		(Green); 10G (Amber)	
Jumbo frame Connectors	10KB 10/100/1000T: 16 x ports RJ-45 with Auto MDI/MDI-X function Mini-GBIC: 4 x 1G/2.5G/10G SFP+ auto-sensing socket with DDMI	DI/DO	2 Digital Input (DI): Level 0: -30-2V / Level 1: 10~30V Max. input current:8mA 2 Digital Output(DO): Open collector to 40 VDC, 200mA	
	RS-232 connector: RJ-45 type USB x 1	Operating Humidity	5% ~ 95% (Non-condensing)	
	Power & Relay connector: 1 x 6-pole terminal block DIDO: 1 x 6-pole terminal block	Operating Temperature Storage	-20°C~60°C / -4°F~140°F (Standard model) -40°C~75°C / -40°F~167°F(-E model) -40°C~85°C / -40°F~185°F	
Network Cable	100Base-TX: 2-pair STP Cat. 5/ 5E/ 6 cable; EIA/TIA-568 100-ohm (100m) 1000Base-T: 4-pair STP Cat5E/6 cable; 10GBaseT:4-pair STP Cat6/6A/7 cable	Temperature Power Supply	Dual DC input, 12~57VDC (24V model) Single HV input, 90~305VAC/120~430VDC (HV model)	
Optical Cable	1Gbps: Multi-mode: 0 to 550 m, 850 nm (50/125 μm); 0	Power Consumption Case Dimension	Max. 25W (full load w/o PoE) Metal case. IP-30.	
	to 2 km, 1310 nm (50/125 µm) Single mode: 0 to 10 km/ 30 km/ 40 km, 1310 nm (9/125 µm); 0 to 50 km/ 60 km/ 80km/ 120	Case Difficitsion	74 (W) x 135 (D) x 152 (H) mm (24V model) 74 (W) x 165 (D) x 152 (H) mm (HV model)	
	km, 1550 nm (9/125 µm)	Weight	900 g	
	2.5Gbps	Installation	DIN Rail and Wall Mount** Design	
	Multi-mode: 0 to 300 m, 850 nm (50/125 µm); Single mode: 0 to 2 km/ 15 km/ 40 km, 1310 nm (9/125 µm); 0 to 40 km/ 80 km/ 100km, 1550 nm (9/125 µm) WDM 1Gbps:	EMI & EMS	FCC Class A, CE EN55032 Class A, CE EN55024, CE EN61000-4-2, CE EN61000-4-3, CE EN61000-4-4, CE EN61000-4-5, CE EN61000-4-6, CE EN61000-4-8, CE EN61000-6-2	
	Single-mode: 0 to 10 km/ 20 km/ 40 km/ 60 km, 1310 nm (9/125 μm); 0 to 80 km, 1490 nm (9/125 μm); 0 to 10 km/ 20 km/ 40 km/ 60 km/ 80	Stability Testing	IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)	
	km, 1550 nm (9/125 μm)	Railway	EN50155:2017, EN50121-3-2:2015,	
		compliance	EN50121-4:2015, EN61373:2010	



MEDE	050 000 711 (150 00000 1 1 1 1)					
MTBF Warranty	659,028.7 Hrs (IEC 62380 standards)					
	Software Specification					
Management	SNMP v1 v2c, v3/ Web/Telnet/CLI					
SNMP MIB	RFC 1213 MIBII					
5	RFC 1158 MIB					
	RFC 1157 SNMP MIB					
	RFC 1493 Bridge MIB*					
	RFC 1573 IF MIB					
	RFC 2674 Q-Bridge MIB*					
	RFC 2819 RMON MIB					
	Private MIB					
ITU G.8032	Support ITU G.8032 for Ring protection in less					
	than 20ms for self-heal recovery (single ring					
	enhanced mode)					
	Support basic single ring & enhanced ring					
	Enhanced G.8032 ring configuration with ease					
	Cover multicast & data packets protection					
User friendly UI	Auto topology drawingTopology demo					
	Complete CLI for professional setting					
Port Trunk with	LACP Port Trunk: 8 Trunk groups					
LACP						
LLDP	Supports LLDP to allow switch to advise its					
	identification and capability on the LAN					
CDP	Cisco Discovery Protocol for topology mapping					
Enhanced Environmental	System status for actual input voltage, current, total power load and ambient temperature to be					
Monitoring	shown in GUI and sent alerting if any abnormal					
g	status					
VLAN	Port Based VLAN					
	IEEE 802.1Q Tag VLAN (256 entries)/ VLAN ID					
	(Up to 4K, VLAN ID can be assigned from 1 to 4096.) GVRP					
	Protocol based VLAN, Subnet based VLAN					
Spanning Tree	Supports IEEE802.1d Spanning Tree and					
	IEEE802.1w Rapid Spanning Tree, IEEE802.1s					
Quality of	Multiple Spanning Tree 8 MSTI The quality of service determined by port, Tag					
Service	and IPv4 Type of service, IPv4 Differentiated					
	Services Code Points - DSCP					
Class of Service	Support IEEE802.1p class of service, per port					
	provides 8 priority queues					
Remote Admin	Supports 10 IP addresses that have permission					
	to access the switch management and to prevent					
	unauthorized intruder.					
Login Security	Supports IEEE802.1X Authentication/RADIUS					
Port Mirror	Support 3 mirroring types: "RX, TX and Both packet"					
Network	Support 10 IP addresses that have permission to					
Security	access the switch management and to prevent					
	unauthorized intruder.					
	802.1X access control for port based and MAC					
	based authentication/static MAC-Port binding					
	Ingress ACL L2/L3					
	SSL/ SSH v2 for Management					
	HTTPS for secure access to the web interface					
	TACACS+ for Authentication					
IGMP	Support IGMP snooping v1,v2,v3; 256 multicast					
	groups; IGMP router port ; IGMP query; GMRP					
MLD Snooping	Support IPv6 Multicast stream					
Static multicast	Static multicast forwarding forward reversed					
forwarding	IGMP flow with multicast packets binding with					
	F ====== 3 -//41					

	nests for ID committee or
5 1 :	ports for IP surveillance application
Bandwidth	Support ingress packet filter and egress packet limit.
Control	The egress rate control supports all of packet
	type.
	Ingress filter packet type combination rules are
	Broadcast/Multicast/Flooded Unicast packet,
	Broadcast/Multicast packet, Broadcast packet
	only and all types of packet.
	The packet filter rate can be set an accurate
	value through the pull-down menu for the ingress
	packet filter and the egress packet limit.
Flow Control	Supports Flow Control for Full-duplex and Back
	Pressure for Half-duplex
System Log	Supports System log record and remote system
SMTP Trap	log server Supports SMTP Server and 8 e-mail accounts
SWITE Hap	for receiving event alert
Relay Alarm	Provides one relay output for port breakdown,
	power fail and alarm.
	Alarm Relay current carry ability: 1A @ DC24V
Protection	■ Miss-wiring avoidance
	Node failure protection
CNIMD Trans	Loop protection
SNMP Trap	Up to 5 trap stations; trap types including:
	Device cold start
	Authorization failure Part link up link down
	Port link up/link down
	DI/DO open/close Typelegy/shange/ITI tripe)
	Typology change(ITU ring)Power failure
	Environmental abnormal
PXE	PXE to verify switch firmware with the latest or
	certain version
DHCP	Provide DHCP Client/ DHCP Server/DHCP
	Option 82 (Client & Server)/Port based DHCP;
	DHCP Option 66; Basic IPv6 DHCP server
Mac based	Assign IP address by Mac that can include dumb
DHCP Server	switch in DHCP network
DNS	Provide DNS client feature and support Primary
	and Secondary DNS server.
SNTP	Supports SNTP to synchronize system clock in
	Internet
Firmware	Supports TFTP firmware update, TFTP backup
Update	and restore; HTTP firmware upgrade
Optional	Lantech OS3 is optional upgradable to L3 Lite/L3* for future expansion. The optional L3Lite
L3Lite/L3**	includes editable routing table, VRRP, Router-
	on-a-stick, Inter- VLAN routing.
Configuration	Supports text configuration file for system quick
upload and	installation; Support factory reset button to
download	restore all settings back to factory default; USB
	for auto restore/backup
Diagnostic	Support Ping, ARP table and DDM information
Dual Image	Support dual image firmware function
Firmware	
*Future release **Optional	
***Optional	
DDM SFP	
required	



ORDERING INFORMATION

■ IGS-6416XSFP-24V......P/N: 8350-868

16 10/100/1000T + 4 1G/2.5G/10G SFP* L2+ Industrial Managed Ethernet Switch; -20°C to 60°C; Enhanced Environmental Monitoring; dual input 12V~57V input

■ IGS-6416XSFP-24V-E......P/N: 8350-869

16 10/100/1000T + 4 1G/2.5G/10G SFP* L2+ Industrial Managed Ethernet Switch; -40°C to 75°C; Enhanced Environmental Monitoring; dual input 12V~57V input

■ IGS-6416XSFP-HV......P/N: 8350-870

16 10/100/1000T + 4 1G/2.5G/10G SFP* L2+ Industrial Managed Ethernet Switch; -20°C to 60°C; Enhanced Environmental Monitoring; Single high power 90~305VAC/120~430VDC

■ IGS-6416XSFP-HV-E......P/N: 8350-871

16 10/100/1000T + 4 1G/2.5G/10G SFP* L2+ Industrial Managed Ethernet Switch; -40°C to 75°C; Enhanced Environmental Monitoring; Single high power $90\sim305VAC/120\sim430VDC$

OPTIONAL ACCESSORIES

Software package

OS3 – L3L...... P/N: 9000-114

OS3 software platform with Layer 3 Lite functions (please check Lantech software data sheet for details)

OS3 – L3*...... P/N: 9000-116

OS3 software platform with Layer 3 functions (please check Lantech software data sheet for details)

DIN Rail Power

■ NDR-480 series 480W Single Output Industrial Din Rail Power; 90-264VAC / 127-370VDC Input Range; Cooling by free air convection; RoHS2;

Operating Temp. -20°C~70°C (ambient, derating each output at 2.5% per degree from 50°C ~ 70°C)

■ NDR-240 series 240W Single Output Industrial Din Rail Power; 90-264VAC / 127-370VDC Input Range; Cooling by free air convection; RoHS2;

Operating Temp. -20°C~70°C (ambient, derating each output at 2.5% per degree from 50°C ~ 70°C)

■ NDR-120 series 120W Single Output Industrial Din Rail Power; 90-264VAC / 127-370VDC Input Range; Cooling by free air convection; RoHS2;

Operating Temp. -20°C~70°C (ambient, derating each output at 2.5% per degree from 50° C ~ 70° C)

Mini GBIC (SFP)

	(0.1)		
■ 8330-162X	MINI GBIC 1000SX (LC/0.5km) Transceiver	■ 8330-263D	MINI GBIC 2.5G 1310nm FP (LC/2km) Transceiver
8330-163X	MINI GBIC 1000SX2 (LC/2km) Transceiver	8330-265D	MINI GBIC 2.5G 1310nm DFB (LC/15km) Transceiver
8330-165X	MINI GBIC 1000LX (LC/10km) Transceiver	■ 8330-193D	10G Base SFP* SR, Multi-mode (LC/300m) Transceiver
8340-0591	MINI GBIC 1000LHX (LC/40km) Transceiver	■ 8330-194D	10G Base SFP+LR, Single-mode (LC/10km)
8330-166	MINI GBIC 1000XD (LC/50km) Transceiver	Transceiver	
8330-169	MINI GBIC 1000XD (LC/60km) Transceiver	■ 8330-209D	10G Base SFP+ , Single-mode(10km) Transceiver
8330-167	MINI GBIC 1000ZX (LC/80km) Transceiver	(WDM 1270)	
8330-170	MINI GBIC 1000EZX (120km) Transceiver	8330-210D	10G Base SFP+ , Single-mode(10km) Transceiver
8330-168	MINI GBIC 1000T (100m) Transceiver	(WDM 1330)	
8330-188	LTSFP-1000BX-10KM Transceiver (WDM 1310)	■ 8330-200D	10G Base SFP ⁺ , Single-mode(20km) Transceiver
8330-189	LTSFP-1000BX-10KM Transceiver (WDM 1550)	(WDM 1270)	
8330-186	LTSFP-1000BX-20KM Transceiver (WDM 1310)	■ 8330-201D	10G Base SFP ⁺ , Single-mode(20km) Transceiver
8330-187	LTSFP-1000BX-20KM Transceiver (WDM 1550)	(WDM 1330)	
8330-180	LTSFP-1000BX-40KM Transceiver (WDM 1310)	8330-202D	10G Base SFP+, Single-mode(40km) Transceiver
8330-182	LTSFP-1000BX-40KM Transceiver (WDM 1550)	(WDM 1270)	
8330-181	LTSFP-1000BX-60KM Transceiver (WDM 1310)	■ 8330-203D	10G Base SFP ⁺ , Single-mode(40km) Transceiver
8330-183	LTSFP-1000BX-60KM Transceiver (WDM 1550)	(WDM 1330)	
8330-184	LTSFP-1000BX-80KM Transceiver (WDM 1490)	8330-206	10G/5G/2.5G/1000Base-T SFP, 3.3V,30m (10G) 50m
8330-185	LTSFP-1000BX-80KM Transceiver (WDM 1550)	(2.5G/5G) 100	0m (1G); -10~70°C (only used from 18V~57VDC power
8330-262D	MINI GBIC 2.5G 850nm VCSEL (LC/0.3km)	input, maximu	ım two ports)
Transceiver			

All SFP ended with D are with Diagnostic function

Lantech Communications Global Inc.

www.lantechcom.tw info@lantechcom.tw

© 2020 Copyright Lantech Communications Global Inc. all rights reserved. The revise authority rights of product specifications belong to Lantech Communications Global Inc. Lantech may make changes to specification and product descriptions at anytime, without notice.