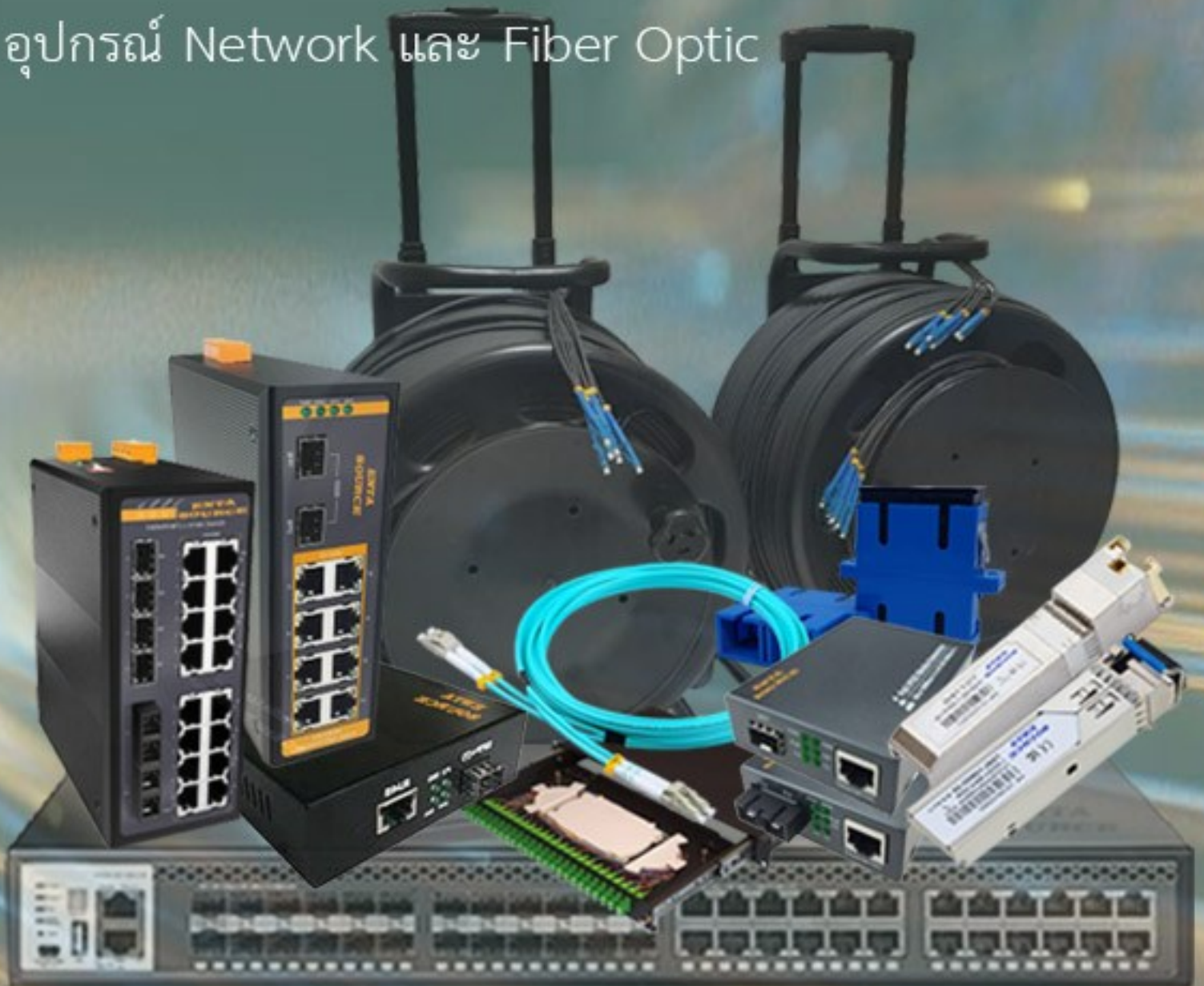


ETS

ENTASOURCE CO.,LTD

นำเข้าและจำหน่าย
อุปกรณ์ Network และ Fiber Optic



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INDUSTRIAL ETHERNET SWITCH



ETS-ESI1022



ETS-ESI1008M



ETS-ESI1026



ETS-ESI1034M



ETS-ESI1038M



ETS-MI1011



ETS-MI1012



ETS-MI1014



ETS-MI1005



ETS-ESI1008



ETS-ESI1026M



ETS-ESI1034



ETS-ESI1038



ETS-MI2011



ETS-MI2012



ETS-MI2014



ETS-ESI2024



ETS-ESI2028



ETS-ESI2008

>>Specifications<<

Interface

- Ethernet port (RJ45) 10/100Base-Tx or 10/100/1000Base-Tx
- Optical port 100Base-Fx or 100Base-Fx

Optical Port

- Available for 1310nm and 1550nm Single mode, and 1310nm Multimode
- Transfer Distance: up to 120km
- Connectors: SC/PC, ST/PC, optional
- Fiber core: 8.3μm, 8.7μm, 9μm and 10μm on single mode fiber; 50, 62.5 and 100μm on multi-mode fiber

Ethernet Port

- Standard: IEEE802.3, IEEE802.3u, IEEE802.3x
- Available speed: force 10Mbps, force 100Mbps and auto-detective 10/100Mbps Full-Duplex and Half-Duplex auto-negotiation
- Connectors: RJ-45 Connector; MDI/MDI-X connection auto-sensing

LED Indicators

- Power, Status, Speed, FX Link/Act, TX Link/Act

Power Requirement

- Input: 12VDC~48VDC
- Consumption: 3.5W
- Overload Protection: Support
- Reverse Connection Protection: Support
- Redundancy Protection: Support

Physical Characteristics

- Housing: Metal enclosure
- Protection Class: IP40
- Dimensions: 36 x 120 x 103mm
- Installation: DIN-Rail or Panel mounting

Environmental Limits

- Operating Temperature: -40°C to 85°C
- Storage Temperature: -40°C to 85°C
- Operating Humidity: 10% to 95% RH (non-condensing)
- Storage Humidity: 5% to 95% RH (non-condensing)

Industrial Standard

- EMI: FCC/CE/LVD/EMC
- EMS: IEC61000-4-2 (ESD): ±8kV (contact), ±15kV (air)
- EMS: IEC61000-4-3 (RS): 10V/m (80MHz-2GHz)
- EMS: IEC61000-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV
- EMS: IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV
- EMS: IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz)
- EMS: IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)
- Shock: IEC 60068-2-27
- Free Fall: IEC 60068-2-32
- Vibration: IEC 60068-2-6

Warranty

- 3 years

INDUSTRIAL ETHERNET SWITCH



Series No.	Model No.	Description	Unit	Price List	Preview
10/100M DIN Rail and Panel Mounting Type , Dual Power Input (12V~48V)					
ETS-MI1011	ETS-MI1011M02	100Base-Fx to 10/100Base-Tx, Multimode, 2Km, SC/ST	PC	5,000.-	click
	ETS-MI1011S20	100Base-Fx to 10/100Base-Tx, Single mode, 20Km, SC/ST	PC	5,250.-	click
	ETS-MI1011W20	100Base-Fx to 10/100Base-Tx, Single mode, 20Km, SC/ST	PC	5,650.-	click
ETS-MI1012	ETS-MI1012M02	100Base-Fx to 2*10/100Base-Tx, Multimode, 2Km, SC/ST	PC	5,350.-	click
	ETS-MI1012S20	100Base-Fx to 2*10/100Base-Tx, Single mode, 20Km, SC/ST	PC	5,650.-	click
	ETS-MI1012W20	100Base-Fx to 2*10/100Base-Tx, Single mode, 20Km, SC/ST	PC	5,940.-	click
ETS-MI1014	ETS-MI1014M02	100Base-Fx to 4*10/100Base-Tx, Multimode, 2Km, SC/ST	PC	5,940.-	click
	ETS-MI1014S20	100Base-Fx to 4*10/100Base-Tx, Single mode, 20Km, SC/ST	PC	6,200.-	click
	ETS-MI1014W20	100Base-Fx to 4*10/100Base-Tx, Single mode, 20Km, SC/ST	PC	6,600.-	click
ETS-ESI1026	ETS-ESI1026M	2*100Base-Fx to 6*10/100Base-Tx, Multimode, 2Km, SC/ST	PC	7,140.-	click
	ETS-ESI1026S	2*100Base-Fx to 6*10/100Base-Tx, Single mode, 20Km, SC/ST	PC	7,550.-	click
	ETS-ESI1026W	2*100Base-Fx to 6*10/100Base-Tx, Bi-Directional, 20Km, SC/ST	PC	8,100.-	click
ETS-MI1005	ETS-MI1005	5*10/100Base-Tx, RJ45, 100m	PC	5,350.-	click
ETS-ESI1034	ETS-ESI1034	2*GE SFP Fiber ports to 4*10/100Base-Tx	PC	8,000-	click
ETS-ESI1038	ETS-ESI1038	2*GE SFP Fiber ports to 8*10/100Base-Tx(PSE)	PC	9,250.-	click
ETS-ESI1008	ETS-ESI1008	8*10/100Base-Tx, Industrial, DIN-Rail or hang wall mounting	PC	8,860.-	click
ETS-ESI1022	ETS-ESI1022	4*GE SFP Fiber ports + 2*FE Fiber ports + 16*10/100M Ethernet ports	PC	Call	click



INDUSTRIAL ETHERNET SWITCH

Series No.	Model No.	Description	Unit	Price List	Preview
10/100/1000M DIN Rail and Panel Mounting Type , Dual Power Input (12V~48V)					
ETS-MI2011	ETS-MI2011M02	1* 10/100/1000M RJ45 Port, 1*FX Port Multimode, Dual Fiber, 850nm, 0.5km	PC	6,200.-	click
	ETS-MI2011S20	1* 10/100/1000M RJ45 Port, 1*FX Port Single Mode, Dual Fiber, 1310nm, 20km	PC	6,500.-	click
	ETS-MI2011W20	1* 10/100/1000M RJ45 Port, 1*FX Port Single Mode, Single Fiber, 1550/1310nm, 20km	PC	6,800.-	click
ETS-MI2012	ETS-MI2012M02	2* 10/100/1000M RJ45 Port, 1*FX Port Multimode, Dual Fiber, 850nm, 0.5km	PC	6,630.-	click
	ETS-MI2012S20	2* 10/100/1000M RJ45 Port, 1*FX Port Single Mode, Dual Fiber, 1310nm, 20km	PC	6,900.-	click
	ETS-MI2012W20	2* 10/100/1000M RJ45 Port, 1*FX Port Single Mode, Single Fiber, 1550/1310nm, 20km	PC	7,200.-	click
ETS-MI2014	ETS-MI2014M02	4* 10/100/1000M RJ45 Port, 1*FX Port Multimode, Dual Fiber, 850nm, 0.5km	PC	7,050.-	click
	ETS-MI2014S20	4* 10/100/1000M RJ45 Port, 1*FX Port Single Mode, Dual Fiber, 1310nm, 20km	PC	7,300.-	click
	ETS-MI2014W20	4* 10/100/1000M RJ45 Port, 1*FX Port Single Mode, Single Fiber, 1550/1310nm, 20km	PC	7,590.-	click
ETS-ESI20XX	ETS-ESI2024	2*SFP Fiber ports to 4*10/100/1000Base-Tx	PC	7,670.-	click
	ETS-ESI2028	2*SFP Fiber ports to 8*10/100/1000Base-Tx	PC	9,000.-	click
	ETS-ESI2008	8*10/100/1000Base-Tx	PC	7,900.-	click
10/100/1000M Managed DIN Rail and Panel Mounting Type , Dual Power Input (12V~48V)					
ETS-ESI1026M	ETS-ESI1026MM	2*100Base-Fx to 6*10/100Base-Tx, Multimode, 2Km, SC/ST, with Managed	pc	14,800.-	click
	ETS-ESI1026MS	2*100Base-Fx to 6*10/100Base-Tx, Single mode, 20Km, SC/ST, with Managed	pc	15,800.-	click
	ETS-ESI1026MW	2*100Base-Fx to 6*10/100Base-Tx, Single mode, 20Km, SC/ST, with Managed	pc	16,800.-	click
ETS-ESI1034M	ETS-ESI1034M	2*GE SFP Fiber ports to 4*10/100Base-Tx, with Managed	pc	16,390.-	click
ETS-ESI1038M	ETS-ESI1038M	2*GE SFP Fiber ports to 8*10/100Base-Tx, with Managed	pc	16,300.-	click
ETS-ESI1008M	ETS-ESI1008M	8*10/100Base-Tx, Industrial, DIN-Rail or hang wall mounting, with Managed	pc	13,560.-	click

INDUSTRIAL PoE SWITCH



ETS-ESI1008MP ETS-ESI1026M ETS-ESI1034MP ETS-ESI1038MP ETS-ESI1011P ETS-ESI1012P ETS-ESI1014P ETS-ESI2008P ETS-ESI1008P



ETS-ESI1026P ETS-ESI1034P ETS-ESI1038P ETS-ESI2011P ETS-ESI2012P ETS-ESI2014P ETS-ESI2024P ETS-ESI2028P

>>Specifications<<

Interface

- Ethernet port (RJ45) 10/100Base-Tx or 10/100/1000Base-Tx
- Optical port 100Base-Fx or 100Base-Fx

Optical Port

- Available for 1310nm and 1550nm Single mode, and 1310nm Multimode
- Transfer Distance: up to 120km
- Connectors: SC/PC, ST/PC, optional
- Fiber core: 8.3μm, 8.7μm, 9μm and 10μm on single-mode fiber; 50, 62.5 and 100μm on multi-mode fiber

Ethernet Port

- Standard: IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3af, IEEE802.3at
- Available speed: force 10Mbps, force 100Mbps and auto-detective 10/100Mbps Full-Duplex and Half-Duplex auto-negotiation
- Connectors: RJ-45 Connector; MDI/MDI-X connection auto-sensing

LED Indicators

- Power, Status, Speed, FX Link/Act, TX Link/Act

Power Requirement

- Input: 12VDC~48VDC
- Consumption: 3.5W
- Overload Protection: Support
- Reverse Connection Protection: Support
- Redundancy Protection: Support

Physical Characteristics

- Housing: Metal enclosure
- Protection Class: IP40
- Dimensions: 36 x 120 x 103mm
- Installation: DIN-Rail or Panel mounting

Environmental Limits

- Operating Temperature: -40°C to 85°C
- Storage Temperature: -40°C to 85°C
- Operating Humidity: 10% to 95% RH (non-condensing)
- Storage Humidity: 5% to 95% RH (non-condensing)

Industrial Standard

- EMI: FCC/CE/LVD/EMC
- EMS: IEC61000-4-2 (ESD): ±8kV (contact), ±15kV (air)
- EMS: IEC61000-4-3 (RS): 10V/m (80MHz-2GHz)
- EMS: IEC61000-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV
- EMS: IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV
- EMS: IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz)
- EMS: IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)
- Shock: IEC 60068-2-27
- Free Fall: IEC 60068-2-32
- Vibration: IEC 60068-2-6

Warranty

- 3years



INDUSTRIAL PoE SWITCH

Series No.	Model No.	Description	Unit	Price List	Preview
Industrial 10/100M PoE Switch					
ETS-ESI1011P	ETS-ESI1011PM02	1* PoE 10/100M RJ45 Port, 1* SFP Port, Multimode, Dual Fiber, 1310nm, 2km, MAX 3.6W(no PD), 33.6W(full PD)	pc	6,450.-	click
	ETS-ESI1011PS20	1* PoE 10/100M RJ45 Port, 1* SFP Port, Single Mode, Dual Fiber, 1310nm, 20km MAX 3.6W(no PD), 33.6W(full PD)	pc	6,700.-	click
	ETS-ESI1011PW20	1* PoE 10/100M RJ45 Port, 1* SFP Port, Single Mode, Single Fiber, 1550/1310nm, 20km MAX 3.6W(no PD), 33.6W(full PD)	pc	6,900.-	click
ETS-ESI1012P	ETS-ESI1012PM02	2* PoE 10/100M RJ45 Port, 1* SFP Port, Multimode, Dual Fiber, 1310nm, 2km MAX 3.8W(no PD), 63.8W(full PD)	pc	6,900.-	click
	ETS-ESI1012PS20	2* PoE 10/100M RJ45 Port, 1* SFP Port, Single Mode, Dual Fiber, 1310nm, 20km MAX 3.8W(no PD), 63.8W(full PD)	pc	6,780.-	click
	ETS-ESI1012PW20	2* PoE 10/100M RJ45 Port, 1* SFP Port, Single Mode, Single Fiber, 1550/1310nm, 20km MAX 3.8W(no PD), 63.8W(full PD)	pc	7,140.-	click
ETS-ESI1014P	ETS-ESI1014PM02	4* PoE 10/100M RJ45 Port, 1* SFP Port, Multimode, Dual Fiber, 1310nm, 2km MAX 4.2W(no PD), 124.2W(full PD)	pc	6,870.-	click
	ETS-ESI1014PS20	4* PoE 10/100M RJ45 Port, 1* SFP Port, Single Mode, Dual Fiber, 1310nm, 20km MAX 4.2W(no PD), 124.2W(full PD)	pc	7,300.-	click
	ETS-ESI1014PW20	4* PoE 10/100M RJ45 Port, 1* SFP Port, Single Mode, Single Fiber, 1550/1310nm, 20km MAX 4.2W(no PD), 124.2W(full PD)	pc	7,760.-	click
ETS-ESI1026P	ETS-ESI1026PM	6* 10/100M POE RJ45 Port, 2*FX Port Multimode, Dual Fiber, 1310nm, 2km MAX 5.3W(no PD), 185.3W(full PD)	PC	11,880.-	click
	ETS-ESI1026PS	6* 10/100M POE RJ45 Port, 2*FX Port Single Mode, Dual Fiber, 1310nm, 20km MAX 5.3W(no PD), 185.3W(full PD)	PC	12,860.-	click
	ETS-ESI1026PW	6* 10/100M POE RJ45 Port, 2*FX Port Single Mode, Single Fiber, 1550/1310nm, 20km MAX 5.3W(no PD), 185.3W(full PD)	PC	13,839.-	click



INDUSTRIAL PoE SWITCH

Series No.	Model No.	Description	Unit	Price List	Preview
Industrial 10/100M PoE Switch					
ETS-ESI1034P	ETS-ESI1034P	4* 10/100M PoE RJ45 Port, 2*GE SFP Port MAX 5.7W(no PD), 125.7W(full PD)	PC	10,749.-	click
ETS-ESI1038P	ETS-ESI1038P	8* 10/100M PoE RJ45 Port, 2*GE SFP Port MAX 6.6W(no PD), 246.6W(full PD)	PC	13,350.-	click
ETS-ESI1008P	ETS-ESI1008P	8* 10/100M PoE RJ45 Port MAX 4.4W(no PD), 244.4W(full PD)	PC	12,081.-	click
ETS-ESI1026MPM	ETS-ESI1026MPM	Managed 6* 10/100M PoE RJ45 Port, 2*FX Port Multimode, Dual Fiber, 1310nm, 2km MAX 5.3W(no PD), 185.3W(full PD)	pc	21,650.-	click
ETS-ESI1027MPS	ETS-ESI1027MPS	Managed 6* 10/100M PoE RJ45 Port, 2*FX Port Single Mode, Dual Fiber, 1310nm, 20km	pc	22,626.-	click
ETS-ESI1028MPW	ETS-ESI1028MPW	Managed 6* 10/100M PoE RJ45 Port, 2*FX Port Single Mode, Single Fiber, 1550/1310nm, 20km	pc	23,603.-	
ETS-ESI1034MP	ETS-ESI1034MP	Managed 4* 10/100M PoE RJ45 Port, 2*GE SFP Port MAX 5.8W(no PD), 125.8W(full PD)	pc	14,885.-	click
ETS-ESI1038MP	ETS-ESI1038MP	Managed 8* 10/100M PoE RJ45 Port, 2*GE SFP Port MAX 6.6W(no PD), 246.6W(full PD)	pc	18,894.-	click
ETS-ESI1008MP	ETS-ESI1008MP	Managed 8* 10/100M PoE RJ45 Port MAX 4.4W(no PD), 244.4W(full PD)	pc	17,113.-	click
Industrial 10/100/1000M PoE Switch					
ETS-ESI201XX	ETS-ESI2011P	1* POE 10/100/1000M RJ45 Port 1* GE SFP Port MAX 2.8W(no PD), 32.8W(full PD)	pc	6,155.-	click
	ETS-ESI2012P	2* POE 10/100/1000M RJ45 Port 1* GE SFP Port MAX 3.8W(no PD), 63.8W(full PD)	pc	6,600.-	click
	ETS-ESI2014P	4* POE 10/100/1000M RJ45 Port 1* GE SFP Port MAX 4.8W(no PD), 124.8W(full PD)	pc	7,580.-	click
ETS-ESI202XX	ETS-ESI2024P	4* POE 10/100/1000M RJ45 Port 2* GE SFP Port MAX 9W(no PD), 129W(full PD)	pc	11,190.-	click
	ETS-ESI2028P	8* POE 10/100/1000M RJ45 Port 2* GE SFP Port MAX 13W(no PD), 253W(full PD)	pc	15,960.-	click
	ETS-ESI2008P	8* POE 10/100/1000M RJ45 Port MAX 11W(no PD), 251W(full PD)	pc	15,000.-	click



Media Converter



ETS-1010 Series



ETS-1020 series



ETS-1100 Series



ETS-1102 Series



ETS-2020 Series



ETS-2200(LFP) Series



ETS-M1100 Series



ETS-M1100C Series



ETS-M2200 Series



ETS-M2200C Series



ETS-R14-16 Series



ETS-277 Series

>>Specifications<<

Interface

- Ethernet port (RJ45) 10/100Base-Tx or 10/100/1000Base-Tx
- Optical port 100Base-Fx or 100Base-Fx

Optical Port

- Available for 1310nm and 1550nm Single mode, and 1310nm Multi-mode
- Transfer Distance: up to 120km
- Connectors: SC/PC, ST/PC, optional
- Fiber core: 8.3μm, 8.7μm, 9μm and 10μm on single-mode fiber; 50, 62.5 and 100μm on multi-mode fiber

Ethernet Port

- Standard: IEEE802.3, IEEE802.3u, IEEE802.3x
- Available speed: force 10Mbps, force 100Mbps and auto-detective 10/100Mbps Full-Duplex and Half-Duplex auto-negotiation
- Connectors: RJ-45 Connector; MDI/MDI-X connection auto-sensing

LED Indicators

- Power, Status, Speed, FX Link/Act, TX Link/Act

Power Requirement

- Input: 12VDC~48VDC
- Consumption: 3.5W
- Overload Protection: Support
- Reverse Connection Protection: Support

Physical Characteristics

- Housing: Metal enclosure
- Protection Class: IP40
- Dimensions: 36 x 120 x 103mm
- Installation: DIN-Rail or Panel mounting

Environmental Limits

- Operating Temperature: -40°C to 85°C
- Storage Temperature: -40°C to 85°C
- Operating Humidity: 10% to 95% RH (non-condensing)
- Storage Humidity: 5% to 95% RH (non-condensing)

Industrial Standard

- EMI: FCC/CE/LVD/EMC
- EMS: IEC61000-4-2 (ESD): ±8kV (contact), ±15kV (air)
- EMS: IEC61000-4-3 (RS): 10V/m (80MHz-2GHz)
- EMS: IEC61000-4-4 (EFT): Power Port: ±4kV; Data Port: ±2kV
- EMS: IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM; Data Port: ±2kV
- EMS: IEC61000-4-6 (CS): 3V (10kHz-150kHz); 10V (150kHz-80MHz)
- EMS: IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)
- Shock: IEC 60068-2-27
- Free Fall: IEC 60068-2-32
- Vibration: IEC 60068-2-6

Warranty

- 3years

Media Converter



Model	Description	Unit	Price List	Preview
10/100 Base - TX to 100 Base - FX				
ETS-1100	10/100M, Multimode, 1310nm, 2km	PCS	1,386.-	click
ETS-1100S25	10/100M, Single Mode, 1310nm, 25km	PCS	1,496.-	click
ETS-1100S40	10/100M, Single Mode, 1310nm, 40km	PCS	1,716.-	click
ETS-1100S60	10/100M, Single Mode, 1310nm, 60km	PCS	2,794.-	click
ETS-1100S80	10/100M, Single Mode, 1550nm, 80km	PCS	7,436.-	click
ETS-1100S120	10/100M, Single Mode, 1550nm, 120km	PCS	8,525.-	click
ETS-1100A	10/100M, With 1 SFP Port	PCS	1,287.-	
ETS-M1100	10/100M Managed Converter, Multimode, 1310nm,2km, Card/ Stand alone Type	PCS	3,245.-	click
ETS-M1100S25	10/100M Managed Converter, Single Mode, 1310nm,20km, Card/ Stand alone Type	PCS	3,575.-	click
10/100 Base - TX to 100 Base - FX BIDI				
ETS-1200S25	10/100M, BIDI, 1550/1310nm, 25km	pair	25,85.-	click
ETS-1200S40	10/100M, BIDI, 1550/1310nm, 40km	pair	3,465.-	click
ETS-1200S60	10/100M, BIDI, 1550/1310nm, 60km	pair	6,765.-	click
ETS-1200S80	10/100M, BIDI, 1550/1490nm, 80km	pair	12,375.-	click
ETS-M1200S25	10/100M Managed Converter, BIDI, 1310/1550nm,25km, Card/ Stand alone Type	pair	7,645.-	click
Chassis				
ETS-R14-2	14 Port Chassis 220V / 48V (Dual Power)	PCS	9,988.-	click
ETS-R16-2	16 Port Chassis 220V / 48V (Dual Power)	PCS	11,055.-	click
ETS-MR16-2	16 Port Managed Chassis 220/48V (Dual Power)	PCS	14,278.-	
ETS-120M	Converter SNMP Management Card	PCS	13,739.-	
ETS-130M	Gigabit SNMP Management Card	PCS	14,278.-	



Media Converter

Model	Description	Unit	Price List	Preview
10/100/1000 Base - TX to 1000 Base - FX				
ETS-2200A	10/100/1000M, With SFP Port	PCS	2,365.-	click
ETS-2200	10/100/1000M, Multimode, 850nm, 550m	PCS	2,750.-	click
ETS-2200S20	10/100/1000M, Single Mode, 1310nm, 20km	PCS	3,135.-	click
ETS-2200S40	10/100/1000M, Single Mode, 1310nm, 40km	PCS	4,070.-	click
ETS-2200S60	10/100/1000M, Single Mode, 1550nm, 60km	PCS	8,140.-	click
ETS-2200S80	10/100/1000M, Single Mode, 1550nm, 80km	PCS	8,580.-	click
ETS-M2200C	10/100/1000M Managed Converter,1*SFP slot, card type (with out sfp module)	PCS	5,786.-	click
ETS-M2200S	10/100/1000M Managed Converter,1*SFP slot, stand alone type(with out sfp module)	PCS	6,325.-	click
ETS-M2200AS	10/100/1000M Managed Converter,1*SFP slot, stand alone type, one to one (with out sfp module)	PCS	Call	click
10/100/1000 Base - TX to 100 Base - FX BIDI				
ETS-3200S20	10/100/1000M, BIDI, 1550/1310nm, 20km	pair	6,985.-	click
ETS-3200S40	10/100/1000M, BIDI, 1550/1310nm, 40km	pair	8,030.-	click
ETS-3200S60	10/100/1000M, BIDI, 1550/1490nm, 60km	pair	16,445.-	click
ETS-3200S80	10/100/1000M, BIDI, 1550/1490nm, 80km	pair	17,270.-	click
Multimode to Single Mode Converter				
ETS-1020	100M, MM to SM, 2km to 25km	PCS	5,896.-	click
ETS-2020	1000M, MM to SM, 550m to 20km	PCS	11,275.-	click
ETS-4040	SFP port to SFP port	PCS	Call	



SFP Transceiver



SFP 1.25Gb/s Transceiver LC Duplex

>>>Features<<<

- Upto 1.25Gb/s Data Links
- Hot-Pluggable
- Duplex LC connector
- Up to 550m To 120km
- 850nm - 1550nm FP laser transmitter
- Single +3.3V Power Supply
- Monitoring Interface Compliant with SFF-8472
- Maximum Power < 1W
- Industrial/Extended/ Commercial operating temperature range: -40°C to 85°C / -5°C to 85°C / -0°C to 70°C Version available
- RoHS compliant and Lead Free

>>>Applications<<<

- Metro/Access Networks
- 1.25 Gb/s 1000Base-SX, LX, Ex, ZX, EZX Ethernet
- 1x Fibre Channel
- Other Optical Links

>>>Features<<<

- Supports 9.95 to 11.3Gb/s bit rates
- Hot-Pluggable
- Duplex LC connector
- 850nm - 1550nm DFB transmitter, PIN photo-detector
- SMF links up to 330m To 80km
- 2-wire interface for management specifications compliant with SFF 8472 digital diagnostic monitoring interface
- Power Supply : +3.3V
- Power consumption < 1.5W
- Temperature Range: 0~ 70°C
- RoHS compliant
-

>>>Applications<<<

- 10GBASE-SR, LR, ER, ZR Ethernet Ethernet
- SONET OC-192 / SDH
- 10G Fiber Channel



SFP+ 10Gb/s Transceiver LC Duplex



SFP Transceiver

Type	Description	Price List	Preview
SFP 1.25Gb/s Transceiver LC Duplex			
TSPL1G05D	1.25G SFP 550m 850nm DUPLEX LC DDM	1,386.-	click
TSPL1G06D	1.25G SFP 2KM 1310nm DUPLEX LC DDM	1,419.-	click
TSPL1G20D	1.25G SFP 20KM 1310nm DUPLEX LC DDM	1,518-	click
TSPL1G40D	1.25G SFP 40KM 1310nm DUPLEX LC DDM	1,936.-	click
TSPL1G40D-15	1.25G SFP 40KM 1550nm DUPLEX LC DDM	4,510.-	click
TSPL1G80D	1.25G SFP 80KM 1550nm DUPLEX LC DDM	4,939-	click
TSPL1GC0D	1.25G SFP 120KM 1550nm DUPLEX LC DDM	7,370.-	click
SFP+ 10Gb/s Transceiver LC Duplex			
TSPLXG03D	10G SFP+ SR 300m 850nm DUPLEX LC DDM	3,564.-	click
TSPLXG03D-HP	10G SFP+ SR 300m 850nm DUPLEX LC DDM HP Pro	4,488.-	click
TSPLXG02D	10G SFP+ LRM 220m 1310nm DUPLEX LC DDM	4,488.-	click
TSPLXG10D	10G SFP+ LR 10KM 1310nm DUPLEX LC DDM	4,719.-	click
TSPLXG10D-HP	10G SFP+ LR 10KM 1310nm DUPLEX LC DDM HP Pro	9,900-	click
TSPLXG40D	10G SFP+ ER 40KM 1550nm DUPLEX LC DDM	Call	click
TSPLXG80D	10G SFP+ ZR 80KM 1550nm DUPLEX LC DDM	Call	click
TSPLXGC0D	10G SFP+ 120KM 1550nm DUPLEX LC DDM	Call	click
TSPLXG10DI	10G SFP+ LR 10KM 1310nm DUPLEX LC DDM Industrial	6,039	click

SFP Copper



SFP Copper 1000Base-T Transceiver

>>>Features<<<

- Up to 1.25Gb/s bi-directional data links
- Hot-pluggable SFP footprint
- Extended case temperature range (-40°C to +85°C)
- Fully metallic enclosure for low EMI
- Low power dissipation
- Compact RJ-45 connector assembly
- Detailed product information in EEPROM
- +3.3V single power supply
- Access to physical layer IC via 2-wire serial bus
- 10/100/1000 BASE-T operation in host systems with SGMII interface
- Compliant with SFP MSA, Compliant with IEEE Std 802.3TM-2002, Compliant with FCC 47 CFR Part 15, Class B
- RoHS Compliant Products

>>Applications<<

- ◆ 1.25 Gigabit Ethernet over Cat 5 cable
- ◆ Switch/Router to Switch/Router Link
- ◆ High speed I/O for file servers

>>>Features<<<

- Support 10Gbase-T / 5Gbase-T / 2.5Gbase-T / 1000base-T
- Hot-pluggable SFP footprint
- Compact RJ-45 connector assembly
- RoHS compliant and lead-free
- Single +3.3V power supply
- 10 Gigabit Ethernet over Cat 6a cable
- Ambient Operating temperature: 0°C to +70°C



SFP+ Copper 10GBase-T Transceiver

>>>Features<<<

- Compliant to QSFP+ SFF-8436 Specification
- Aggregate bandwidth of > 40Gbps
- QSFP MSA compliant
- Single +3.3V power supply operating
- Built-in digital diagnostic functions
- Temperature range 0°C to 70°C
- RoHS Compliant Part
- Operates at 10.3125 Gbps per electrical channel with 64b/66b encoded data
- Capable of over 100m transmission on OM3 Multimode Fiber (MMF) and 150m on OM4 MMF
- Utilizes a standard LC duplex fiber cable allowing reuse of existing cable infrastructure
- Compliant to the 40GbE XLPII electrical specification per IEEE 802.3ba-2010

>>Applications<<

- ◆ 40 Gigabit Ethernet interconnections
- ◆ Datacom/Telecom switch & router connections
- ◆ Data aggregation and backplane applications
- ◆ Proprietary protocol and density applications



40G QSFP



SFP Copper

Type	Description	Price List	Preview
SFP COPPER			
TST01	10/100/1000BASE-T	1,760.-	click
TST01G	1000BASE-T	1,760.-	click
SFP+ Copper			
TST10G	10GBASE-T	5,940.-	click
40G QSFP+			
TQB01	40G QSFP+ SR BIDI 850nm/900nm LC	43,450.-	click
TQPL01	40G QSFP+ SR4 100m	9,889.-	click
TQPL06	40G QSFP+ IR4 2KM	Call	click
TQPL10	40G QSFP+ LR4 10KM	Call	click

SFP BIDI



SFP 1.25Gb/s Transceiver LC BiDi

>>>Features<<<

- Upto1.25Gb/s Data Links
- Hot-Pluggable
- Duplex LC connector
- Upto20kmon9/125µm SMF
- 1310nmFP Laser transmitter
- Single+3.3V Power Supply
- Monitoring Interface Compliant with SFF-8472
- Maximum Power <1W
- Industrial/Extended/ Commercial operating temperature range:-40°C to 85°C/-5°C to 85°C/-0°C to 70°C Version available
- RoHS compliant and Lead Free

>>Applications<<

- ◆ Metro/Access Networks
- ◆ 1.25 Gb/s 1000Base-SX, LX, EX, ZX, EZX Ethernet
- ◆ 1×Fibre Channel
- ◆ Other Optical Links

>>>Features<<<

- Supports 9.95 to 11.3Gb/s bit rates
- Hot-Pluggable
- Single LC connector
- 1310nm - 1550nm DFB transmitter, PIN photo-detector
- SMF links up to 330m To 80km
- 2-wire interface for management specifications compliant with SFF 8472 digital diagnostic monitoring interface
- Power Supply :+3.3V
- Power consumption<1.5W
- Temperature Range: 0~ 70°C
- RoHS compliant

>>Applications<<

- ◆ 10GBASE-SR, LR, ER, ZR Ethernet
- ◆ SONET OC-192 / SDH
- ◆ 10G Fibre Channel



SFP+ 10Gb/s Transceiver LC BiDi

>>>Features<<<

- Up to 1.25Gb/s Data Links
- Hot-Pluggable
- Single SC connector
- Up to 20km To 120km
- 1310nm - 1550nm FP laser transmitter
- Single +3.3V Power Supply
- Monitoring Interface Compliant with SFF-8472
- Maximum Power <1W
- Industrial /Extended/ Commercial operating temperature range: -40°C to 85°C/-5°C to 85°C/-0°C to 70°C Version Available
- RoHS compliant and Lead Free

>>Applications<<

- ◆ Metro/Access Networks
- ◆ 1.25 Gb/s 1000Base-SX, LX, Ex, ZX, EZX Ethernet
- ◆ 1×Fibre Channel
- ◆ Other Optical Links



SFP 1.25Gb/s Transceiver SC BiDi



SFP BIDI

Type	Description	Price List	Preview
SFP BIDI LC			
TSBL1E06D-35	155M SFP BIDI 2KM TX1310nm/RX1550nm LC DDM	3,586.-	click
TSBL1E06D-53	155M SFP BIDI 2KM TX1550nm/RX1310nm LC DDM		
TSBL1E20D-35	155M SFP BIDI 20KM TX1310nm/RX1550nm LC DDM	3,586.-	click
TSBL1E20D-53	155M SFP BIDI 20KM TX1550nm/RX1310nm LC DDM		
TSBL1E40D-35	155M SFP BIDI 40KM TX1310nm/RX1550nm LC DDM	4,070.-	click
TSBL1E40D-53	155M SFP BIDI 40KM TX1550nm/RX1310nm LC DDM		
TSBL1E80D-45	155M SFP BIDI 80KM TX1490nm/RX1550nm LC DDM	10,340.-	click
TSBL1E80D-54	155M SFP BIDI 80KM TX1550nm/RX1490nm LC DDM		
TSBL6E20-35	622M SFP BIDI 20KM TX1310nm/RX1550nm LC DDM	3,795.-	click
TSBL6E20-53	622M SFP BIDI 20KM TX1550nm/RX1310nm LC DDM		
TSBL6E40-35	622M SFP BIDI 40KM TX1310nm/RX1550nm LC DDM	5,225.-	click
TSBL6E40-53	622M SFP BIDI 40KM TX1550nm/RX1310nm LC DDM		
TSBL6E80-45	622M SFP BIDI 80KM TX1490nm/RX1550nm LC DDM	9,328.-	click
TSBL6E80-54	622M SFP BIDI 80KM TX1550nm/RX1490nm LC DDM		
TSBL1G05-35	1.25G SFP BIDI 500m TX1310nm/RX1550nm LC DDM	3,586.-	click
TSBL1G05-53	1.25G SFP BIDI 500m TX1550nm/RX1310nm LC DDM		
TSBL1G06-35	1.25G SFP BIDI 2KM TX1310nm/RX1550nm LC DDM	3,586.-	click
TSBL1G06-53	1.25G SFP BIDI 2KM TX1550nm/RX1310nm LC DDM		
TSBL1G20-34	1.25G SFP BIDI 20KM TX1310nm/RX1490nm LC DDM	3,586.-	click
TSBL1G20-43	1.25G SFP BIDI 20KM TX1490nm/RX1310nm LC DDM		



SFP BIDI

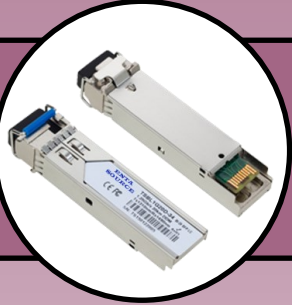
Type	Description	Price List	Preview
SFP BIDI LC			
TSBL1G20-35	1.25G SFP BIDI 20KM TX1310nm/RX1550nm LC DDM	3,586.-	click
TSBL1G20-53	1.25G SFP BIDI 20KM TX1550nm/RX1310nm LC DDM		
TSBL1G40-34	1.25G SFP BIDI 40KM TX1310nm/RX1490nm LC DDM	5,665.-	click
TSBL1G40-43	1.25G SFP BIDI 40KM TX1490nm/RX1310nm LC DDM		
TSBL1G40-35	1.25G SFP BIDI 40KM TX1310nm/RX1550nm LC DDM	5,775.-	click
TSBL1G40-53	1.25G SFP BIDI 40KM TX1550nm/RX1310nm LC DDM		
TSBL1G80-45	1.25G SFP BIDI 80KM TX1490nm/RX1550nm LC DDM	10,736.-	click
TSBL1G80-54	1.25G SFP BIDI 80KM TX1550nm/RX1490nm LC DDM		
TSBL1GC0D-45	1.25G SFP BIDI 120KM TX1490nm/RX1550nm LC DDM	15,400.-	click
TSBL1GC0D-54	1.25G SFP BIDI 120KM TX1550nm/RX1490nm LC DDM		
SFP BIDI SC			
TSBS1E06-35	155M SFP BIDI SC 2KM TX1310nm/RX1550nm DDM	3,586.-	click
TSBS1E06-53	155M SFP BIDI SC 2KM TX1550nm/RX1310nm DDM		
TSBS1E20-35	155M SFP BIDI SC 20KM TX1310nm/RX1550nm DDM	3,586.-	click
TSBS1E20-53	155M SFP BIDI SC 20KM TX1550nm/RX1310nm DDM		
TSBS1E40-35	155M SFP BIDI SC 40KM TX1310nm/RX1550nm DDM	4,070.-	click
TSBS1E40-53	155M SFP BIDI SC 40KM TX1550nm/RX1310nm DDM		
TSBS1E80-45	155M SFP BIDI SC 80KM TX1490nm/RX1550nm DDM	10,340.-	click
TSBS1E80-54	155M SFP BIDI SC 80KM TX1550nm/RX1490nm DDM		



SFP BIDI

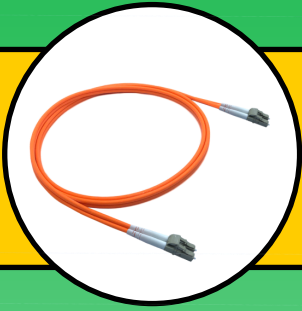
Type	Description	Price List	Preview
SFP BIDI SC			
TSBS6E20-35	622M SFP BIDI SC 20KM TX1310nm/RX1550nm DDM	3,586.-	click
TSBS6E20-53	622M SFP BIDI SC 20KM TX1550nm/RX1310nm DDM		
TSBS6E40-35	622M SFP BIDI SC 40KM TX1310nm/RX1550nm DDM	5,236.-	click
TSBS6E40-53	622M SFP BIDI SC 40KM TX1550nm/RX1310nm DDM		
TSBS6E80-45	622M SFP BIDI SC 80KM TX1490nm/RX1550nm DDM	9,757.-	click
TSBS6E80-54	622M SFP BIDI SC 80KM TX1550nm/RX1490nm DDM		
TSBS1G05-35	1.25G SFP BIDI SC 500m TX1310nm/RX1550nm DDM	3,586.-	click
TSBS1G05-53	1.25G SFP BIDI SC 500m TX1550nm/RX1310nm DDM		
TSBS1G06-35	1.25G SFP BIDI SC 2KM TX1310nm/RX1550nm DDM	3,586.-	click
TSBS1G06-53	1.25G SFP BIDI SC 2KM TX1550nm/RX1310nm DDM		
TSBS1G20-34	1.25G SFP BIDI SC 20KM TX1310nm/RX1490nm DDM	3,839.-	click
TSBS1G20-43	1.25G SFP BIDI SC 20KM TX1490nm/RX1310nm DDM		
TSBS1G20-35	1.25G SFP BIDI SC 20KM TX1310nm/RX1550nm DDM	3,828.-	click
TSBS1G20-53	1.25G SFP BIDI SC 20KM TX1550nm/RX1310nm DDM		
TSBS1G40-34	1.25G SFP BIDI SC 40KM TX1310nm/RX1490nm DDM	5,500.-	click
TSBS1G40-43	1.25G SFP BIDI SC 40KM TX1490nm/RX1310nm DDM		
TSBS1G40-35	1.25G SFP BIDI SC 40KM TX1310nm/RX1550nm DDM	5,500.-	click
TSBS1G40-53	1.25G SFP BIDI SC 40KM TX1550nm/RX1310nm DDM		
TSBS1G80-45	1.25G SFP BIDI SC 80KM TX1490nm/RX1550nm DDM	10,725.-	click
TSBS1G80-54	1.25G SFP BIDI SC 80KM TX1550nm/RX1490nm DDM		
TSBS1GC0D-45	1.25G SFP BIDI SC 120KM TX1490nm/RX1550nm DDM	15,708.-	click
TSBS1GC0D-54	1.25G SFP BIDI SC 120KM TX1550nm/RX1490nm DDM		

SFP BIDI



Type	Description	Price List	Preview
SFP+ BIDI LC			
TSBLXG10D-23	10G SFP+ BIDI 10KM TX1270nm/RX1330nm LC DDM	8,184.-	click
TSBLXG10D-32	10G SFP+ BIDI 10KM TX1330nm/RX1270nm LC DDM		
TSBLXG20D-23	10G SFP+ BIDI 20KM TX1270nm/RX1330nm LC DDM	8,184-	click
TSBLXG20D-32	10G SFP+ BIDI 20KM TX1330nm/RX1270nm LC DDM		
TSBLXG40D-23	10G SFP+ BIDI 40KM TX1270nm/RX1330nm LC DDM	9,768.-	click
TSBLXG40D-32	10G SFP+ BIDI 40KM TX1330nm/RX1270nm LC DDM		
TSBLXG60D-23	10G SFP+ BIDI 60KM TX1270nm/RX1330nm LC DDM	17,545.-	click
TSBLXG60D-32	10G SFP+ BIDI 60KM TX1330nm/RX1270nm LC DDM		
TSBLXG80D-45	10G SFP+ BIDI 80KM TX1490nm/RX1570nm LC DDM	Call	click
TSBLXG80D-54	10G SFP+ BIDI 80KM TX1570nm/RX1490nm LC DDM		

Fiber Patch Cord



LC-LC



SC-FC



FC-FC



ST-ST



SC-SC



LC-FC



FC-ST



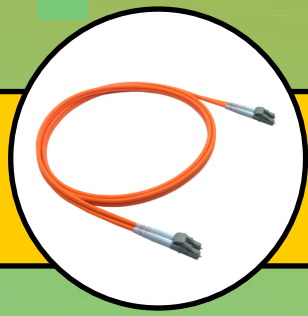
LC-ST

Mechanical & Material Data

Range of Mode	Single mode or Multimode
Cable Type	Simplex, Duplex Zipcord, or Multi-cores
Connector Style	SC, FC, ST, LC, MTRJ, E2000, MU, MPO etc
Polish or Ferrule Interface Type	PC, UPC, APC
Cable Diameter	0.9mm, 1.6mm, 2.0mm, 2.4mm, 2.8mm, 3.0mm
Outer Jacket	PVC or LSZH
Jacket Color	SM Yellow OM1, OM2 Orange OM3 Aqua OM4 Pink
Durability	500 cycles(0.2 dB max increase), 1000mate/demate cycles
Operating Temp.	-20 °C to +70°C/+85°c (armored)
Storage Temp.	-40 °C to +85°C

Optical Performance Data

Item	Single mode			Multimode		
	PC	UPC	APC	62.5/125	50.5/125	50.5/125 10G
Insert. Loss	0.3dB Max. (0.15dB typ.)			0.3dB Max. (0.15dB typ.)		
Return Loss	≥ 45 dB	≥ 50 dB	≥ 60 dB	N.A		
Insert. Loss/MTRJ Connector	0.5dB Max. (0.45dB typ.)			0.5dB Max. (0.45dB typ.)		
Pull strength	≥ 98N	≥ 98N	≥ 98N	≥ 98N		



Fiber Patch Cord

Patch Cord Single Mode: Duplex

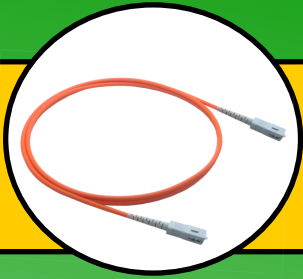
Type	Description	Length	Price	Additional Length X m.	Preview
LC-LC	LC-LC Patch cord, Duplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	250.-	250+(X*12)	click
LC-ST	LC-ST Patch cord, Duplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	240.-	240+(X*12)	click
LC-SC	LC-SC Patch cord, Duplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	240.-	240+(X*12)	click
LC-FC	LC-FC Patch cord, Duplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	240.-	240+(X*12)	click
ST-ST	ST-ST Patch cord, Duplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	260.-	260+(X*12)	click
ST-FC	ST-FC Patch cord, Duplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	280.-	280+(X*12)	click
ST-SC	ST-SC Patch cord, Duplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	280.-	280+(X*12)	click
FC-FC	FC-FC Patch cord, Duplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	275.-	275+(X*12)	click
FC-SC	FC-SC Patch cord, Duplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	280.-	280+(X*12)	click
SC-SC	SC-SC Patch cord, Duplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	250.-	250+(X*12)	click
SC-SC	SC-SC APC Patch cord, Duplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	280.-	280+(X*12)	click

Patch Cord Multi-Mode OM2 : Duplex

Type	Description	Length	Price	Additional Length X m.	Preview
LC-LC	LC-LC Patch cord, Duplex, OM2 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	265.-	265+(X*22)	click
LC-ST	LC-ST Patch cord, Duplex, OM2 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	265.-	265+(X*22)	click
LC-SC	LC-SC Patch cord, Duplex, OM2 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	265.-	265+(X*22)	click
LC-FC	LC-FC Patch cord, Duplex, OM2 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	265.-	265+(X*22)	click
ST-ST	ST-ST Patch cord, Duplex, OM2 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	265.-	265+(X*22)	click
ST-FC	ST-FC Patch cord, Duplex, OM2 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	265.-	265+(X*22)	click
ST-SC	ST-SC Patch cord, Duplex, OM2 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	265.-	265+(X*22)	click
FC-FC	FC-FC Patch cord, Duplex, OM2 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	280.-	280+(X*22)	click
FC-SC	FC-SC Patch cord, Duplex, OM2 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	265.-	265+(X*22)	click
SC-SC	SC-SC Patch cord, Duplex, OM2 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	265.-	265+(X*22)	click

Patch Cord Multi-Mode OM3 : Duplex

Type	Description	Length	Price	Additional Length X m.	Preview
LC-LC	LC-LC Patch cord, Duplex, OM3 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	285.-	285+(X*32)	click
LC-ST	LC-ST Patch cord, Duplex, OM3 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	285.-	285+(X*32)	click
LC-SC	LC-SC Patch cord, Duplex, OM3 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	285.-	285+(X*32)	click
LC-FC	LC-FC Patch cord, Duplex, OM3 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	285.-	285+(X*32)	click
ST-ST	ST-ST Patch cord, Duplex, OM3 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	285.-	285+(X*32)	click
ST-FC	ST-FC Patch cord, Duplex, OM3 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	285.-	285+(X*32)	click
ST-SC	ST-SC Patch cord, Duplex, OM3 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	285.-	285+(X*32)	click
FC-FC	FC-FC Patch cord, Duplex, OM3 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	300.-	300+(X*32)	click
FC-SC	FC-SC Patch cord, Duplex, OM3 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	285.-	285+(X*32)	click
SC-SC	SC-SC Patch cord, Duplex, OM3 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	285.-	285+(X*32)	click



Fiber Patch Cord

Patch Cord Single Mode: Simplex

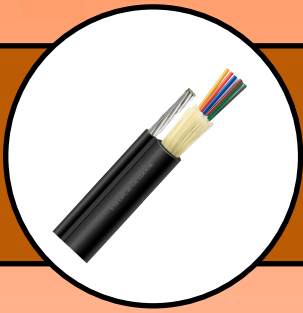
Type	Description	Length	Price	Additional Length X m.	Preview
LC-LC	LC-LC Patch cord, Simplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	165.-	165+(X*10)	click
LC-ST	LC-ST Patch cord, Simplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	160.-	160+(X*10)	click
LC-SC	LC-SC Patch cord, Simplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	160.-	160+(X*10)	click
LC-FC	LC-FC Patch cord, Simplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	160.-	160+(X*10)	click
ST-ST	ST-ST Patch cord, Simplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	175.-	175+(X*10)	click
ST-FC	ST-FC Patch cord, Simplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	160.-	160+(X*10)	click
ST-SC	ST-SC Patch cord, Simplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	160.-	160+(X*10)	click
FC-FC	FC-FC Patch cord, Simplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	185.-	185+(X*10)	click
FC-SC	FC-SC Patch cord, Simplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	160.-	160+(X*10)	click
SC-SC	SC-SC Patch cord, Simplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	175.-	175+(X*10)	click
SC-SC	SC-SC APC Patch cord, Simplex, OS2 SM 9/125µm, 3.0 mm jacket LSZH	3 M.	190.-	190+(X*10)	click

Patch Cord Multi-Mode OM2 : Simplex

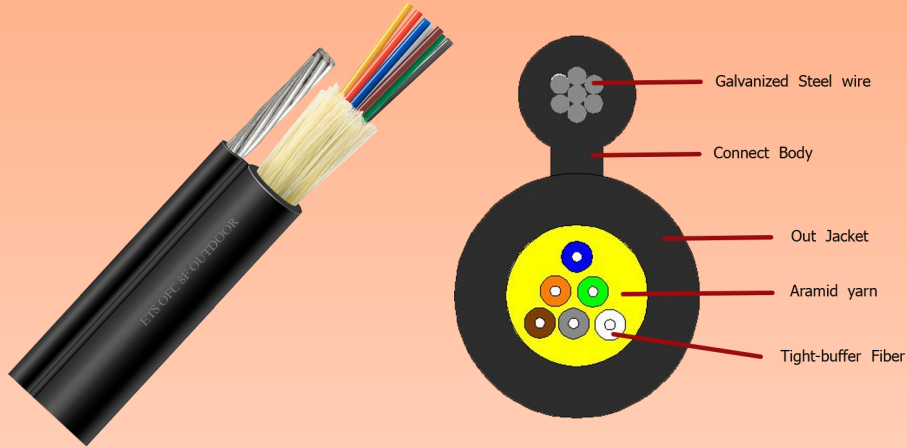
Type	Description	Length	Price/Unit	Additional Length X m.	Preview
LC-LC	LC-LC Patch cord, Simplex, OM2 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	175.-	175+(X*15)	click
LC-ST	LC-ST Patch cord, Simplex, OM2 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	175.-	175+(X*15)	click
LC-SC	LC-SC Patch cord, Simplex, OM2 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	175.-	175+(X*15)	click
LC-FC	LC-FC Patch cord, Simplex, OM2 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	175.-	175+(X*15)	click
ST-ST	ST-ST Patch cord, Simplex, OM2 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	185.-	185+(X*15)	click
ST-FC	ST-FC Patch cord, Simplex, OM2 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	175.-	175+(X*15)	click
ST-SC	ST-SC Patch cord, Simplex, OM2 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	185.-	185+(X*15)	click
FC-FC	FC-FC Patch cord, Simplex, OM2 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	195.-	195+(X*15)	click
FC-SC	FC-SC Patch cord, Simplex, OM2 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	185.-	185+(X*15)	click
SC-SC	SC-SC Patch cord, Simplex, OM2 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	185.-	185+(X*15)	click

Patch Cord Multi-Mode OM3 : Simplex

Type	Description	Length	Price/Unit	Additional Length X m.	Preview
LC-LC	LC-LC Patch cord, Simplex, OM3 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	185.-	185+(X*18)	click
LC-ST	LC-ST Patch cord, Simplex, OM3 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	185.-	185+(X*18)	click
LC-SC	LC-SC Patch cord, Simplex, OM3 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	185.-	185+(X*18)	click
LC-FC	LC-FC Patch cord, Simplex, OM3 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	185.-	185+(X*18)	click
ST-ST	ST-ST Patch cord, Simplex, OM3 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	195.-	185+(X*18)	click
ST-FC	ST-FC Patch cord, Simplex, OM3 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	195.-	195+(X*18)	click
ST-SC	ST-SC Patch cord, Simplex, OM3 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	195.-	195+(X*18)	click
FC-FC	FC-FC Patch cord, Simplex, OM3 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	200.-	200+(X*18)	click
FC-SC	FC-SC Patch cord, Simplex, OM3 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	195.-	195+(X*18)	click
SC-SC	SC-SC Patch cord, Simplex, OM3 MM 50/125µm, 3.0 mm jacket LSZH	3 M.	195.-	195+(X*18)	click



Fiber Optic



Dimension and Properties

General properties	Unit	Nominal value			
Fiber count (G.657A2)	PC	2	4	6	8
Tight-buffered Fiber	Material	LSZH			
	Diameter	0.6mm±0.05mm			
Strength member	Diameter	Aramid yarn			
Steel wire	PC	1.2 (7*0.4mm)			
Outer Sheath on cable core	material	UV-proof LSZH Black			
	Thickness	1.0 mm			
Cable outer OD	mm		7.0*4.0	8.0*5.0	8.0*5.0
Max. allowable pulling force	N	800			
Crush resistance	N/100mm	1500/600			

FIBERS AND TUBE COLOR CODE SCHEME

Fiber color	Blue	Orange	Green	Brown	Grey	White	Red	Black

P/N	Description Unit: Price/M.	เข้าหัวสำเร็จรูป	สายเปล่า
	FTTH Round, 2 Core Stranded Drop cable, LSZH, Indoor-Outdoor	18.-	13.-
	FTTH Round, 4 Core Stranded Drop cable, LSZH, Indoor-Outdoor	28.-	22.-
	FTTH Round, 6 Core Stranded Drop cable, LSZH, Indoor-Outdoor	35.-	26.-
	FTTH Round, 8 Core Stranded Drop cable, LSZH, Indoor-Outdoor	40.-	29.-

หมายเหตุ

* FTTH 2C เข้าหัวสำเร็จรูป ตั้งแต่ 100 เมตรขึ้นไป เข้าหัวฟรี ระยะต่ำกว่านั้นคิดค่าเข้าหัว 500 บาท/เส้น

* FTTH 4, 6, 8C เข้าหัวสำเร็จรูป ตั้งแต่ 200 เมตรขึ้นไป เข้าหัวฟรี ระยะต่ำกว่านั้นคิดค่าเข้าหัว 1,000 บาท/เส้น