

LM-7000H Module Series

Ethernet and PoE+ modules for the PT-G7728/G7828 Series and MDS-G4012/20/28 Series



Features and Benefits

- -40 to 85°C wide operating temperature
- IEC 61850-3 and IEEE 1613 compliant

Certifications



Introduction

The LM-7000H Module Series hot-swappable line modules are designed for PT-G7728/G7828 Series and MDS-G4012/20/28 Series IEC 61850-3 Ethernet switches. The LM-7000H line modules allow greater flexibility by letting you add 4 Gigabit Ethernet ports or PoE ports per module.

Specifications

Ethernet Interface

10/100/1000BaseT(X) Ports (RJ45 connector)	LM-7000H-4GTX: 4
100/1000BaseSFP Slots	LM-7000H-4GSFP: 4
PoE Ports (100/1000BaseT(X), RJ45 connector)	LM-7000H-4GPoE: 4
10/100BaseT(X) Ports (RJ45 connector)	LM-7000H-4TX: 4
PoE Ports (10/100BaseT(X), RJ45 connector)	LM-7000H-4PoE: 4

Power Parameters

Power Consumption	LM-7000H-4GTX: 3.63 W (max.) LM-7000H-4GPoE: 3.8 W (max.) LM-7000H-4GSFP: 4.8 W (max.) LM-7000H-4TX: 1.85 W (max.) LM-7000H-4PoE: 1.85 W (max.)
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Physical Characteristics

Weight	LM-7000H-4GSFP: 0.3 kg (0.66 lb) LM-7000H-4GTX: 0.24 kg (0.53 lb) LM-7000H-4GPoE: 0.31 kg (0.69 lb) LM-7000H-4TX: 0.24 kg (0.53 lb) LM-7000H-4PoE: 0.31 kg (0.69 lb)
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MTBF

Time	LM-7000H-4GPoE: 1,280,518 hrs LM-7000H-4GSFP: 2,475,903 hrs LM-7000H-4GTX: 2,641,729 hrs LM-7000H-4PoE: 1,280,220 hrs LM-7000H-4TX: 2,640,462 hrs
Standards	Telcordia (Bellcore), GB

Warranty

Warranty Period	5 years
Details	See www.moxa.com/warranty

Ordering Information

Model Name	10/100/1000BaseT(X) Ports	100/1000BaseT(X) PoE Ports	100/1000BaseSFP Slots	10/100BaseT(X) Ports	10/100BaseT(X) PoE Ports	Connector
LM-7000H-4GTX	4	-	-	-	-	RJ45
LM-7000H-4TX	-	-	-	4	-	RJ45
LM-7000H-4GPoE	-	4	-	-	-	RJ45
LM-7000H-4PoE	-	-	-	-	4	RJ45
LM-7000H-4GSFP	-	-	4	-	-	-

Accessories (sold separately)

SFP Modules

SFP-1FELLC-T	SFP module with 1 100Base single-mode with LC connector for 80 km transmission, -40 to 85°C operating temperature
SFP-1FEMLC-T	SFP module with 1 100Base multi-mode with LC connector for 4 km transmission, -40 to 85°C operating temperature
SFP-1FESLC-T	SFP module with 1 100Base single-mode with LC connector for 40 km transmission, -40 to 85°C operating temperature
SFP-1G10ALC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 10 km transmission; TX 1310 nm, RX 1550 nm, 0 to 60°C operating temperature
SFP-1G10ALC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 10 km transmission; TX 1310 nm, RX 1550 nm, -40 to 85°C operating temperature
SFP-1G10BLC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 10 km transmission; TX 1550 nm, RX 1310 nm, 0 to 60°C operating temperature
SFP-1G10BLC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 10 km transmission; TX 1550 nm, RX 1310 nm, -40 to 85°C operating temperature
SFP-1G20ALC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 20 km transmission; TX 1310 nm, RX 1550 nm, 0 to 60°C operating temperature
SFP-1G20ALC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 20 km transmission; TX 1310 nm, RX 1550 nm, -40 to 85°C operating temperature
SFP-1G20BLC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 20 km transmission; TX 1550 nm, RX 1310 nm, 0 to 60°C operating temperature
SFP-1G20BLC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 20 km transmission; TX 1550 nm, RX 1310 nm, -40 to 85°C operating temperature
SFP-1G40ALC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 40 km transmission; TX 1310 nm, RX 1550 nm, 0 to 60°C operating temperature
SFP-1G40ALC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 40 km transmission; TX 1310 nm, RX 1550 nm, -40 to 85°C operating temperature
SFP-1G40BLC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 40 km transmission; TX 1550 nm, RX 1310 nm, 0 to 60°C operating temperature

SFP-1G40BLC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 40 km transmission; TX 1550 nm, RX 1310 nm, -40 to 85°C operating temperature
SFP-1GEZXLC	SFP module with 1 1000BaseEZXC port with LC connector for 110 km transmission, 0 to 60°C operating temperature
SFP-1GEZXLC-120	SFP module with 1 1000BaseEZXC port with LC connector for 120 km transmission, 0 to 60°C operating temperature
SFP-1GLHLC	SFP module with 1 1000BaseLH port with LC connector for 30 km transmission, 0 to 60°C operating temperature
SFP-1GLHLC-T	SFP module with 1 1000BaseLH port with LC connector for 30 km transmission, -40 to 85°C operating temperature
SFP-1GLHXLC	SFP module with 1 1000BaseLHX port with LC connector for 40 km transmission, 0 to 60°C operating temperature
SFP-1GLHXLC-T	SFP module with 1 1000BaseLHX port with LC connector for 40 km transmission, -40 to 85°C operating temperature
SFP-1GLSXLC	SFP module with 1 1000BaseLSXC port with LC connector for 1km/2km transmission, 0 to 60°C operating temperature
SFP-1GLSXLC-T	SFP module with 1 1000BaseLSXC port with LC connector for 1km/2km transmission, -40 to 85°C operating temperature
SFP-1GLXLC	SFP module with 1 1000BaseLXC port with LC connector for 10 km transmission, 0 to 60°C operating temperature
SFP-1GLXLC-T	SFP module with 1 1000BaseLXC port with LC connector for 10 km transmission, -40 to 85°C operating temperature
SFP-1GSXLC	SFP module with 1 1000BaseSXC port with LC connector for 300m/550m transmission, 0 to 60°C operating temperature
SFP-1GSXLC-T	SFP module with 1 1000BaseSXC port with LC connector for 300m/550m transmission, -40 to 85°C operating temperature
SFP-1GZXLC	SFP module with 1 1000BaseZXC port with LC connector for 80 km transmission, 0 to 60°C operating temperature
SFP-1GZXLC-T	SFP module with 1 1000BaseZXC port with LC connector for 80 km transmission, -40 to 85°C operating temperature

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