

Larch Networks Network Switch Module

MO-P8Cx-4F

Network modules for scalable, high-performance, low-power, small-footprint, feature-rich Ethernet switches, optimized for industrial and Internet of Things (IoT) applications, operating in extended temperature range and harsh environments.

- High scalable (cascade up to 1K modules)
- Low power consumption
- Optional PoE (PSE/PD)
- Up to 50 Gbps bandwidth

CPU	Ironman Packet Processor	+
RAM	DDR4 1 GB 16-bit	+
	DDR4 2 GB 16-bit	OPT
Memory	eMMC 512GB	+
	Secure Boot/Storage	+
Security	IEEE 802.3ae standard compliant 256b MACsec engine with capacity to process, encrypt and decrypt the entire devices bandwidth bi-directionally traffic	OPT
Management Interface	OOB 1G Ethernet	+
	PCIe Gen3 dev connection to an external CPU	OPT
	RS232 CLI	+
Networking	12 Ethernet ports: 8 10/100/1000BaseT copper	+
	4 optical ports (Up to 10G)	+
	Integrated PHY	+
	Jumbo Frames	+
	IEC 62439-3:2021 (PRP/HSR)	+
	Parallel (x8) and Serial LED interface	+
	Time-Sensitive Networking (TSN) IEEE	+
Dimensions	80mm x 100mm	
Work temperatures	-40°C — +85°C	

