



IL-M4012XF-2AC

IronLink Managed 10GbE 12xSFP+,
8x1GbE BaseT, Dual Power Supplies

PRODUCT OVERVIEW

Ironlink M4012XF was designed specifically for the surveillance requirements of today & tomorrow.

Featuring 10GbE support for aggregation of today's higher megapixel cameras.

Intended to be used as your core switch to connect your edge PoE switches and the recording servers, along with any other edge to core workload, with an additional 8x1GbE BaseT ports to support administration connections.



KEY FEATURES

- Full Managed Switching
- 12x 10GbE SFP+ Ports
- 8x 1GbE BaseT Ports
- Redundant Power Supplies
- Link Aggregation
- Complies with CE & FCC
- 5 Year limited hardware warranty*



IL-M4012XF-2AC

Full 10 Gigabit Ethernet Routing Switch

- 12x 10GE/GE SFP+ ports
- 8x Gigabit Ethernet TX Ports
- Dual Power Supplies

FEATURES

VLAN

- 4K Active VLAN, QinQ, GVRP

Spanning Tree:

- 802.1D (STP), 802.1W (RSTP) & 802.1S (MSTP)
- BPDU guard, root guard & loopback guard

IPv4

- Static routing, RIP v1/v2, OSPF, BGP, PBR, ECMP
- BFD for OSPF and BGP

IPv6

- ICMPv6, DHCPv6, ACLv6 and IPv6 Telnet
- IPv6 neighbor discovery, Path MTU discovery
- MLD V1/V2, MLD snooping · IPv6 Static Routing, RIPng, OSPFv3, BGP4+
- Manual tunnel, ISATAP tunnel MPLS
- LDP protocol, Multi-VRF, · MPLS L2 VPN

Reliability

- Static/LACP link aggregation,

Multicast:

- PIM-SM, PIM-DM, IGMP v1/v2/v3, IGMP Snooping, IGMP Fast Leave, MVR, IGMP filter

QoS

- CAR, HQoS, MAC/IP/TCP/UDP/VLAN/ COS/DSCP/TOS based QoS, 802.1P/DSCP priority re-labeling, SP, WRR, and "SP+WRR", Tail-Drop, WRED, flow monitoring and traffic shaping

Security

- Port isolation, Port security, and MAC port" binding, MAC sticky · DHCP Snooping and option 82, DAI & IP source guard, PPPoE+,
- IEEE 802.1x, Radius and BDTacacs+
- L2/L3/L4 ACL flow identification and filtration
- MD5, SHA-256, RSA-1024, AES256, etc.

Interface backup

- BVSS virtual-stacking
- EAPS and ERPS
- ISSU
- 1+1 power backup
- URPF, LLDP
- VRRP

Management

- Console, Telnet, SSH v1/2, HTTP, HTTPS
- SNMP v1/v2/v3, RMON · TFTP, FTP, SFTP
- NTP, SPAN, RSPAN
- sFlow

Environment

- Operating temperature/humidity: 32°F to 122°F (0°C to 50°C), 10%-90% non-condensing

Certification:

- CE, FCC, ROHS

Included Accessories:

- 2x Power cords, 1U Rack mount, Console Cable

PRODUCT SPECIFICATIONS

Switch:	IL-M4012XF-2AC
Interface:	8x GE TX ports, 12x 10GE/GE SFP+ ports
Console:	1 RJ45 port
Backplane:	176Gbps
Forwarding Rate:	132 Mbps
Chassis Dimensions: (WxDxH) (mm)	440x315x44
Package Dimensions: (WxDxH) (mm)	576x448x94
Package Weight: (KG) (empty)	3.6
Power Consumption:	<35W - 50W
Power Supply: (AC: 100V-240V,50Hz±10%)	Dual Power
Total Output BTU: (1000BTU/H=293W)	170.65
Fans:	2
MTBF: (H)	>100,000
Forwarding Mode:	Store-forward
Flash: (MB):	16
DRAM: (MB)	512
MAC:	32K
Buffer Size: (MB)	3
Jumbo Frame:	9K
Routing Table:	IPV4: 32K IPV6: 8K
ARP Table:	IPV4: 10K IPV6: 5K