



# IL-M4028XF-2AC

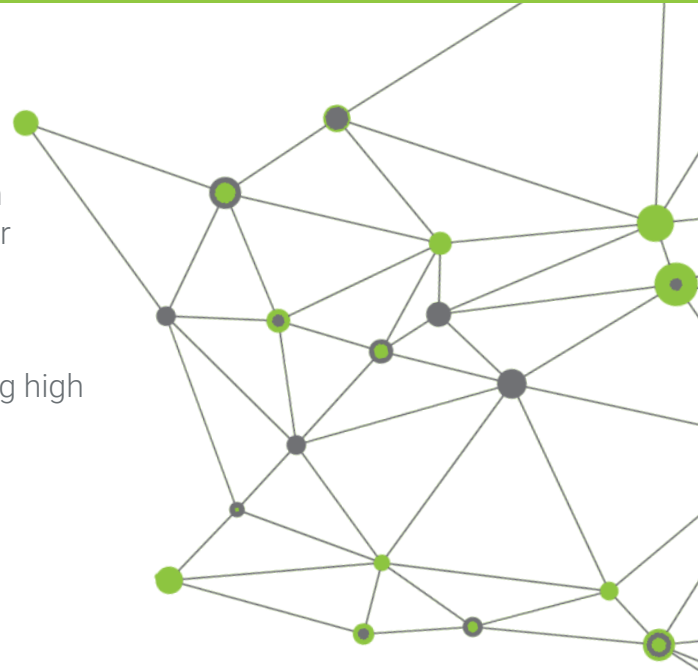
24 Port 10 Gigabit SFP+ Managed Core Switch

## PRODUCT OVERVIEW

The IL-M4028XF-2AC is a full featured 24 Port 10GbE switch that is perfect for supporting core workloads like multi-server deployments and edge switch aggregation.

With Dual Power supplies and 100GbE uplinks this switch is capable of handling challenging workloads while maintaining high uptime.

## IL-M4028XF-2AC



## KEY FEATURES

- 24x SFP+ 10GbE Ports
- 4x QSPF28 100/40GbE Ports
- Redundant Power Supplies
- Link Aggregation
- Failover Port links
- Complies with CE & FCC
- 5 Year limited hardware warranty\*



## IL-M4028XF-2AC

24 Port 10 Gigabit SFP+ Managed Core Switch

- 24 10GE/GE SFP+ ports
- 4 100GE/40GE QSFP28 ports

# FEATURES

## VLAN

- 4K Active VLAN, QinQ & Selective QinQ, GVRP, Private VLAN

## Spanning Tree:

- 802.1D (STP)
- 802.1W (RSTP) and 802.1S (MSTP)

## IPv4

- Static routing, RIP v1/v2,
- OSPF, BGP, PBR, ECMP
- BFD for OSPF, 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, IPv6 to IPv4 tunnel

## Multicast:

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

## MPLS

- Multi-VRP

## 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 "IP+MAC+port" binding, MAC Binding
- IEEE 802.1x, Radius and BDTacacs+ L2/L3/L4 ACL flow identification and filtration
- Anti-attack from DDoS, TCP's SYN Flood, UDP Flood, etc. Broadcast/multicast/unknown
- unicast storm-control
- MD5, SHA-256, RSA-1024, AES256

## Reliability

- Static/LACP link aggregation
- Interface backup
- BVSS virtual-stacking
- EAPS and ERPS · URPF, LLDPISU
- VRRP · 1+1 power backup
- Hot patch

## Management

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

## Environment

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

## Certification:

- CE, FCC, ROHS

## IEEE Standard Compliant:

- IEEE 802.1D Media Access Control (MAC) Bridges
- IEEE Std 802.3 CSMA/CD
- IEEE Std 802.3ae 10GE WEN/LAN Standard
- IEEE Std 802.3x Full Duplex
- IEEE802.1ax/IEEE802.3ad Link

## Aggregation

- IEEE 802.1ab Link Layer Discovery Protocol
- IEEE Std 802.3ad Aggregation of Multiple Link Segments

# PRODUCT SPECIFICATIONS

Switch:	IL-M4028XF-2AC
Interface:	24x 10GE/GE SFP+ ports, 4x 100GE/40GE QSFP28 ports
Console:	1 RJ45 console, 1 MGMT
Backplane:	800Gbps
Forwarding Rate:	600 Mpps
Chassis Dimensions: (WxDxH) (mm)	440x350x44
Package Dimensions: (WxDxH) (mm)	576x448x94
Package Weight: (KG)	8.3
Power Consumption:	45W - 70W
Power Supply: (AC: 100V-240V,50Hz±10%)	2
Total Output BTU: (1000BTU/H=293W)	238.91
Fans:	4
MTBF: (H)	>100,000
Forwarding Mode:	Store-forward
Flash: (MB):	32
DRAM: (MB)	1024
MAC:	32K
Power Status Monitoring:	Support
Jumbo Frame:	9K
Routing Table:	IPv4: 16K   IPv6: 12K
ARP Table:	IPv4: 10K   IPv6: 10K