

# EX74000 Series

Managed Hardened 6-port 10/100BASE (4 x PoE) with 2-port SFP (DDM) Gigabit Combo Ethernet Switch



SFP Ports with DDM

## Value



- Provides flexibility of 6-port 10/100BASE-TX plus 2-port Gigabit-SFP combo
- Port 1 to 4 supports PoE 802.3at high power 30W max.
- Wide temp range for extreme environments

## Features

- Supports PoE Power Sourcing Equipment (PSE)
- PoE control and Scheduling
- Supports  $\alpha$ -ring and RSTP/MSTP/STP for Ethernet redundancy
- IP Multicast Filtering through IGMP Snooping V1, V2 & V3
- Supports port-based VLAN and IEEE802.1Q VLAN Tagging and GVRP
- IEEE802.1p QoS with four priority queues
- MAC-based trunking with automatic link fail-over
- RS-232 console, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- Supports Command Line Interface in RS-232 Console
- Supports IEEE802.1x Security
- Bandwidth Rate Control
- Per-port programmable MAC address locking
- Up to 24 Static Secure MAC addresses per port
- Port mirroring
- Supports NTP
- 1000Mbps-Full-duplex, 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX
- Full wire-speed forwarding rate
- -40°C to +75°C (-40°F to 167°F) operating temperature range, tested for functional operation @ -40°C to +85°C (-40°F to 185°F)

## Ordering Information

EX74X62-0VT 6-port 10/100BASE-TX + 2-port Gigabit SFP (DDM) Combo Hardened Managed Ethernet Switch (Terminal Block Input)

### PoE Options :

(X) = 0 : N/A PoE

1 : 15.4W (4-port 802.3af)

2 : 30W (4-port 802.3at high power)

SFP Type : (Optional)

### Hardened SFP Series

Model Number	Designation	Distance	Wavelength (nm)	Link Budget
EX-1250TSP-MB2L-A	1000BASE-SX	2KM	1310	13.5 dBm
EX-1250TSP-MB4L-A	1000BASE-LX	10KM	1310	11.5 dBm
EX-1250TSP-MB5L-A	1000BASE-LX	20KM	1310	15 dBm
EX-1250TSP-NB6L-A	1000BASE-LX	40KM	1310	20 dBm
EX-1250TBP-MB4L-E (DDM)	1000BASE-BX WDM	10KM	TX:1310 / RX:1550	12 dBm
EX-1250TBP-KB4L-E (DDM)	1000BASE-BX WDM	10KM	TX:1310 / RX:1550	12 dBm

NOTES: \*DDM: Digital Diagnostic Monitoring

### Power Supply : (Optional)

Terminal Block power supply(s), part numbers:

15.4W 802.3af: DD-85-48, DR-75-48, DR-120-48, SDR-240-48

30W 802.3at high power: DD-85-55, DR-75-48, DR-120-48, SDR-240-48

Installation Type : Optional Panel mount kit, (KP-BK6212) and Rack Mount kits (KR-BK74-400) are available for ordering.

## Specifications

Technology	
Standards	IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX/100BASE-FX, IEEE802.3ab 1000BASE-T, IEEE802.3z 1000BASE-SX/1000BASE-LX, IEEE802.3x, IEEE802.1p, IEEE802.1Q, IEEE802.1w, IEEE802.1x, IEEE802.3af
Forward and Filtering Rate	14,880pps for 10Mbps 148,810pps for 100Mbps 1,488,100pps for 1000Mbps
Packet Buffer Memory	2M bits
Processing Type	Store-and-Forward Half-duplex back-pressure and IEEE802.3x full-duplex flow control
Address Table Size	8192 MAC addresses
Power	
Input	15.4W 802.3af in 48VDC (47 to 55VDC) (Terminal Block) 30W 802.3at High power in 55VDC (47 - 57VDC) (Terminal Block)
Power Consumption	Device: 15W Max. IEEE802.3af: Full load with 4 ports PoE (15.4W for each PoE port): 61.6W IEEE802.3at high power: Full load with 4 ports PoE (30W for PoE port): 120W
Overload Current Protection	Present
Reverse Polarity Protection	Present
Mechanical	
Casing	Metal case IP30
Dimensions	200mm (W) x 134mm (D) x 50mm (H) (7.87" (W) x 5.2" (D) x 1.97" (H))
Weight	1.5Kg (7.7lbs.)
Installation	Panel Mount, Rack Mount
Interface	
Ethernet Port	10/100BASE-TX: 6 ports Gigabit SFP (DDM): 2 ports
Console Port	Port: One DB9 RS-232 port
LED Indicators	Per Unit: Power Status (Power 1) Per Port: PoE (Amber) for 10/100TX, 10/100TX, 100FX: Link/Activity (Green), Gigabit: Link/Activity (Green), SFP operation (Green)

Environment	
Operating Temperature	-40°C to +75°C (-40°F to 167°F)
Storage Temperature	Tested @ -40°C to +85°C (-40°F to 185°F)
Ambient Relative Humidity	5% to 95% (non-condensing)
Regulatory Approvals	
ISO	Manufactured in an ISO9001 facility
Safety	UL508
EMI	*FCC Part 15, Class A *EN61000-6-4 - EN55022 - EN61000-3-2 - EN61000-3-3
EMS	*EN61000-6-2 - EN61000-4-2 (ESD Standards) Contact: + / - 6KV; Criteria B Air: + / - 8KV; Criteria B - EN61000-4-3 (Radiated RFI Standards) 10V/m, 80 to 1000MHz; 80% AM Criteria A - EN61000-4-4 (Burst Standards) Signal Ports: + / - 4KV; Criteria B D.C. Power Ports: + / - 4KV; Criteria B - EN61000-4-5 (Surge Standards) Signal Ports: + / - 1KV; Line-to-Line; Criteria B D.C. Power Ports: + / - 0.5KV; Line-to-earth; Criteria B - EN61000-4-6 (Induced RFI Standards) Signal Ports: 10Vrms @ 0.15 - 80MHz; 80% AM Criteria A D.C. Power Ports: 10Vrms @ 0.15 - 80MHz; 80% AM Criteria A - EN61000-4-8 (Magnetic Field Standards) 30A/m @ 50, 60Hz; Criteria A
Environmental Test Compliance	*IEC60068-2-6 Fc (Vibration Resistance) 5g @ 10 - 150Hz, Amplitude 0.35mm (Operation/Storage/Transport) *IEC60068-2-27 Ea (Shock) 25g @ 11ms (Half-Sine Shock Pulse; Operation) 50g @ 11ms (Half-Sine Shock Pulse; Storage/Transport) *IEC60068-2-32 Ed (Free Fall) 1M (3.281ft.)

## Dimensions

