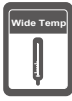


EX42905 Series

Unmanaged Hardened 5-port 10/100/1000BASE Ethernet Switch



Palm Size

Provides compact size and DIN-rail mount installation

Energy Efficient Ethernet (EEE)

Supports IEEE802.3az standards

Jumbo Frame Support

Up to 10K bytes



Features

- > Compliant with IEEE802.3 10BASE-T, 100BASE-TX, 1000BASE-T, and 1000BASE-SX/LX
- > 5-port 10/100/1000BASE-T, or 4-port 10/100/1000BASE-T plus 1-port 1000BASE-X
- > IEEE802.3az EEE(Energy Efficient Ethernet) supported
- > Palm size with DIN-Rail mount installation
- > Jumbo frame support up to 10K bytes
- > High speed, non-blocking four traffic class QoS switch fabric
- > Supports Auto-MDI-X and Auto-Negotiation function on all 10/100/1000BASE-T ports
- > 8K MAC address table, shared 1Mbits memory-based switch fabric
- > Front panel port status LEDs

Ordering Information

EX42905	Unmanaged Hardened 5-port 10/100/1000BASE-T Gigabit Ethernet Switch
EX42914-X	Unmanaged Hardened 4-port 10/100/1000BASE-T+ 1-port 1000BASE-X Gigabit Ethernet Switch

Remark: "X" stands for optical port Options :

- (X) = 3 : 1000BASE-SX(SC)-550m
- 5 : 1000BASE-SX(ST)-550m
- A : 1000BASE-LX(SC)-10km
- R : 1000BASE-BX(SC) WDM-TX:1310nm/RX:1550nm-20Km
- S : 1000BASE-BX(SC) WDM-TX:1550nm/RX:1310nm-20Km

Power Supply Options :

The Terminal Block type external power supply are not included. Please order the following part numbers, as required:

DR-30-24, DR-60-24, DR-75-24, DR-120-24 or 41-136046-X (X)=1: US, 2: EU, 3: UK, 4: AU, 5: JP

Specifications

Technology	
Standards	<ul style="list-style-type: none"> • IEEE802.3 10BASE-T • IEEE802.3u 100BASE-TX/100BASE-FX • IEEE802.3ab 1000BASE-T • IEEE802.3z 1000BASE-SX/1000BASE-LX • IEEE802.1x, Full duplex flow control • IEEE802.1az Energy Efficient Ethernet • IEEE802.1p Quality of Service(QoS)
Forward and Filtering Rate	<ul style="list-style-type: none"> • 14,880pps for 10Mbps • 148,810pps for 100Mbps • 1,488,100pps for 1000Mbps
Packet Buffer Memory	• 1M bits
Processing Type	<ul style="list-style-type: none"> • Store-and-Forward • Half-duplex back-pressure and IEEE802.3x full-duplex flow control
Jumbo Frame	• 10K bytes
Address Table Size	• 8192 MAC addresses
Power	
Input	• Input Voltage: 12 to 48VDC
Power Consumption	• 6.5W Max. 0.25A @ 24VDC
Overload Current Protection	• Present
Reverse Polarity Protection	• Present
Mechanical	
Casing	<ul style="list-style-type: none"> • Metal case • IP30
Dimensions	• 30mm (W) x 82mm (D) x 114mm (H) (1.18" (W) x 3.23" (D) x 4.49" (H))
Weight	• 0.34Kg (0.75lb.)
Installation	• DIN-Rail (Top hat type 35mm)
Interface	
Ethernet Port	<ul style="list-style-type: none"> • 10/100/1000BASE-T: 5 or 4 ports • 1000BASE-X: 0 or 1 ports
LED Indicators	<ul style="list-style-type: none"> • Per Unit: Power (Green) • Per Port: 10/100M Link/ACT (Green), 1000M Link/ACT (Yellow)

Environment	
Operating Temperature	<ul style="list-style-type: none"> • -40°C to 75°C (-40°F to 167°F) • Tested @ -40°C to 85°C (-40°F to 185°F)
Storage Temperature	• -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
EMI	
FCC Part 15, Class A	
EN61000-6-4	<ul style="list-style-type: none"> • EN55022 • EN61000-3-2 • EN61000-3-3
EMS	
EN61000-6-2	
EN61000-4-2 (ESD Standards)	<ul style="list-style-type: none"> • Contact: + / - 6KV • Air: + / - 8KV
EN61000-4-3 (Radiated RFI Standards)	<ul style="list-style-type: none"> • 10V/m, 80 to 1000MHz; 80% AM • 3V/m, 1400 to 2000MHz; 80% AM • 1V/m, 2000 to 3000MHz; 80% AM
EN61000-4-4 (Burst Standards)	<ul style="list-style-type: none"> • Signal Ports: + / - 4.4KV • D.C. Power Ports: + / - 4.4KV
EN61000-4-5 (Surge Standards)	<ul style="list-style-type: none"> • Signal Ports: + / - 1KV; Line-to-Line • D.C. Power Ports: + / - 0.5KV Line-to-Earth
EN61000-4-6 (Induced RFI Standards)	<ul style="list-style-type: none"> • Signal Ports: 10Vrms @ 0.15-80MHz; 80% AM • D.C. Power Ports: 10Vrms @ 0.15 - 80MHz; 80% AM
EN61000-4-8 (Magnetic Field Standards)	• 30A/m @ 50, 60Hz
Environmental Test Compliance	
IEC60068-2-6 Fc (Vibration)	• Operation/Storage/Transport: 5g, 10 - 150Hz, Amplitude 0.35mm
IEC60068-2-27 Ea (Shock)	<ul style="list-style-type: none"> • Operation: 25g @11ms period ; Half-Sine Shock Pulse • Storage/Transport: 50g @11ms Period ; Half-Sine Shock Pulse
IEC60068-2-32 Ed (Free fall)	• Tested with Cross Weight and Drop High standard table

Diagrams

Unit: mm

