



RoHS compliant

Industrial 5/6-Port Unmanaged Ethernet Switches

■ ■ EH2005/EH2006

EH2005-Fm (Multi-mode)



EH2005-Fs (Single-mode)



EH2006

Technology

- 10/100BaseT(X) (RJ45), 100BaseFX (SC/ST connector)
- Broadcast storm protection
- Support IEEE 802.3/ 802.3u/ 802.3x
- 10/100M, Full/Half-Duplex, MDI/MDI-X auto-detection
- Local area transmit distance of 2 km with Multi-mode Fiber connections
- Long-haul transmit distance of 20 km with Signal-mode Fiber connections

Reliability

- Redundant dual DC power inputs
- Operating temperature ranges from 0~60°C
- Rugged high-strength case
- DIN-Rail or wall mounting ability
- Alarm out for power and link failure

The EH Series include 5/6-port Ethernet switches that provide two solutions, one with 6 RJ-45 ports and the other with 4 RJ-45 ports and one optic ST/SC port for your industrial applications. These EH series have been designed for industrial environments, such as in hazardous locations that comply with FCC, TUV, UL, and CE standards.

EH series protect itself from receiving too many broadcast packets. During normal use, broadcast packets will be forwarded to all ports except the source port. However, EH series will discard broadcast or multicast packets if the number of those packets exceeds a threshold in a preset period of time. When the preset period expires (about 800ms), it will then resume receiving broadcast or multicast packets until the threshold is reached again.

EH series provide two redundant power inputs that can be connected simultaneously to wide-range DC power sources. If one of the power inputs fails, the other live source acts as a backup to provide the EH series' power needs automatically.

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Specifications

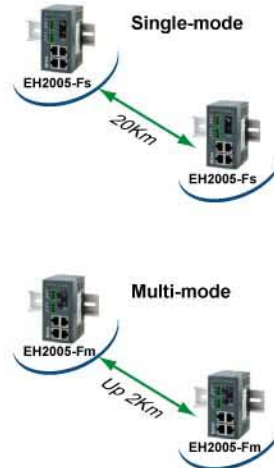
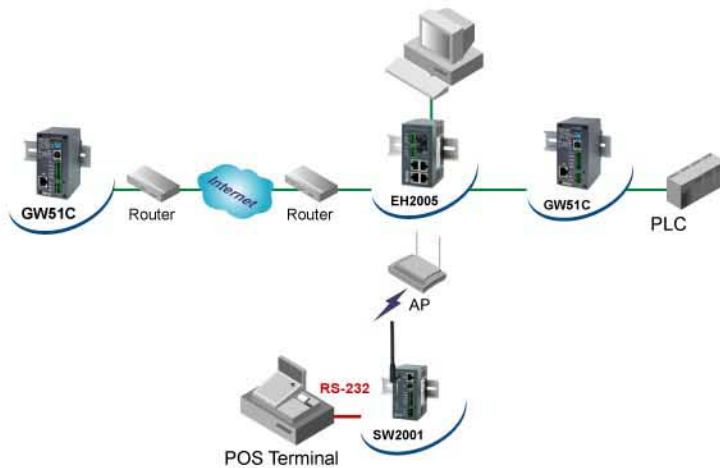
Technology	Standards: IEEE802.3, 802.3u, 802.3x
	Processing Type: Store and Forward
	Flow Control: IEEE802.3x flow control, backpressure flow control
Ethernet	RJ45 Ports for 10/100BaseT(X) auto negotiation speed
	Full/Half-duplex mode, and auto MDI/MDI-X connection
Optical Fiber	Multi-mode
	ST connector for 100 Base FX port
	Distance: up to 2Km
	Wave-length: 1270~1350 nm
	Sensitivity: -33dBm (Typical)
	Single-mode
SC connector for 100 Base FX port	
Distance: up to 20Km	
Wave-length: 1260~1300 nm	
Sensitivity: -34dBm (Typical)	
LED Indicators	Power, 10/100M, Data, Alarm
Power Requirement	Input Voltage: 9~30 VDC, Dual inputs
	Input Current (@24V): 0.35A
	Connector: Removable 3-pin Terminal Block for power input
	Reverse Polarity Protection: Present
Mechanical	Casing: IP40 protection, plastic case
Temperature	Operation: 0°C~60°C (32~140°F), Storage : -40°C~85°C (-40~185°F)
Humidity	5%~95% non-condensing
Dimension	45mm x 90mm x 80mm (W x H x D)
Weight	160g
Regulatory Approvals	Safety: UL, EMI: FCC Part 15, class A

Ordering Information (by Model)

EH1005-Fm: Embedded Type, 4 10/100BaseT(X) ports, 1 multi-mode, 100BaseFX port, ST connector
EH1005-Fs: Embedded Type, 4 10/100BaseT(X) ports, 1 single-mode, 100BaseFX port, SC connector
EH2005-Fm: Plastic Housing, 4 10/100BaseT(X) ports, 1 multi-mode, 100BaseFX port, ST connector
EH2005-Fs: Plastic Housing, 4 10/100BaseT(X) ports, 1 single-mode 100BaseFX port, SC connector
EH1006: Embedded Type, 6 10/100BaseT(X) ports
EH2006: Plastic Housing, 6 10/100BaseT(X) ports

Optional Accessories

AD15-24C (US): AC100V~240V/DC24V, US adapter
AD15-24D (EU): AC100V~240V/DC24V, EU adapter



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