

Unmanaged industrial ethernet switch

Description

The EH7000 series has been designed for industrial environments, such as in hazardous locations that comply with FCC, UL, and CE standards. The EH7000 series protects itself from receiving too many broadcast packets. During normal use, broadcast packets will be forwarded to all ports except the source port. However, EH7000 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. The EH7000 series provides 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 EH7000 series power needs automatically.

Technology

Ethernet standard	<ul style="list-style-type: none"> • IEEE 802.3 10Base-T • IEEE 802.3u 100Base-TX • IEEE 802.3 100Base-FX • IEEE 802.3 1000Base-SX, LX
Switching latency	5 μ S
Flow control	IEEE 802.3x Flow control
Processing type	Store and forward

Interface

LED indicators	<ul style="list-style-type: none"> • Power1 • Power2 • Fault • Data transmission
Fiber Ports 100LX	2 (singlemode)
RJ-45 Ports 10/100TX	8

Power requirements

Connector	Removable dual 3-Pin terminal block power input
Overload protection	0.8 A @ 12 V DC
Dual inputs voltage	12 / 24 / 48 V DC
Reverse polarity protection	Yes
Consumption	11.88 W

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Dual inputs current 0.49 A @ 24 V DC

Physical characteristics

Housing	<ul style="list-style-type: none">• IP50 protection• Aluminium housing
Dimensions	53.4 x 145.7 x 119.9 mm
Weight	1000 g
Installation	<ul style="list-style-type: none">• DIN-Rail mount kit• Wall mount (optional)
Operating temperature range	-40 ~ +80°C
Storage temperature	-40 ~ +85°C
Air humidity	5 ~ 95 % (non-condensing)

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