Ethernet switch, 8 ports, Gigabit - ETHSWG8C1

- 8x 10/100/1000BaseT(X)
- Unmanaged / Plug and Play
- IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x
- IEEE 802.1p: CoS, 4 queues per port
- Supports jumbo frames up to 9000 bytes
- Broadcast and multicast flooding storm control
- Redundant voltage input / fault signaling relay output
- Operating temperature -40 °C to +75 °C
- Protection class IP30

https://www.wachendorff-prozesstechnik.de/en/ETHSWG8C1

Description

The ETHSWG8C1 is a very compact and robust Industrial Ethernet switch with 8x 10/100/1000BaseT(X). In addition to IEEE 802.3, IEEE802.3u, IEEE 802.3ab and IEEE802.3x, CoS according to IEEE 802.1p is also supported. Four queues (priority classes) are available per port for this purpose. The compact housing, certified to protection class IP30, was developed for use in harsh and demanding industrial environments where large temperature differences and physical loads are known to occur.

The ETHSWG8C1 is an unmanaged and plug and play switch with a non-blocking/wirespeed Layer 2 switching engine. Secure transmission is guaranteed thanks to the Store and Forward operating mode. The switchable Flooding Storm Control function protects against unwanted occupation of the available transmission rate by broadcast or multicast data frames.

The switch has a redundant power input and a fault signal relay for signaling a fault. This ensures trouble-free operation and direct fault detection in the event of a power supply unit or power supply failure.

Product details

Operating mode:	Store and Forward
Switching engine:	wire-speed / non-blocking
Ethernet standards:	• IEEE 802.3 (10BaseT) • IEEE 802.3u (100BaseTX) • IEEE 802.3ab (1000BaseTX) • IEEE 802.1p (CoS) • IEEE 802.3x (Full Duplex) and Back-Pressure (Half Duplex) • Jumbo Frames 9K
RJ45 ports:	8x 10/100/1000BaseT(X)
RJ45 - Speed:	Auto-negotiation (10/100/1000 Mbit/s)
RJ45 - Duplex:	Half or full duplex
RJ45 connection:	MDI/MDIX Auto-Crossover
Fault signaling contact:	Fault signaling relay for power supply detection
DIP switch:	1x Flooding Storm Control 1x Power Alarm (fault signaling contact)
MAC table size:	8K
Display:	1x alarm: ALM - Power supply failure 2x Power Status: P1, P2 - Power supply status 8x Ethernet port status: Link & Speed

Power supply:	Redundant input terminal block connector with reverse polarity protection
Voltage range:	12 to 58 VDC
Power consumption:	55 mA at 48V, 25°C, full load
Operating temperature:	-40 °C to +75 °C (cold start at -40 °C)
Storage temperature:	-40 °C to +85 °C
Humidity:	5 % to 95 % rH (non-condensing)
FCC/EMI:	FCC Part 15 CISPR 22 (EN55022), Class A
Vibration:	IEC60068-2-6
Shock:	IEC60068-2-27
Free fall:	IEC60068-2-32
CE (EMS):	IEC61000-4-2 IEC61000-4-3 IEC61000-4-4 IEC61000-4-5 IEC61000-4-6 (Level 3)
Approvals:	UL LIsted E478628
RoHS and WEEE:	compliant
Protection class:	IP30
Execution:	Robust metal housing
Dimensions (WxHxD):	39 mm x 117.8 mm x 96.9 mm
Weight:	439 gram
Assembly:	DIN rail or wall mounting
Scope of delivery:	Device, terminal strip connector, DIN rail holder, wall mounting bracket, M4 screws, operating and installation instructions
Manufacturer:	Wachendorff Prozesstechnik GmbH & Co KG, Germany

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