SWITCH 2005TX

Unmanaged Industrial Switch 5 x 10/100 RJ45

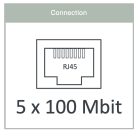
5-port unmanaged industrial Fast Ethernet switch

The 5-port industrial Fast Ethernet switch of SALZ Automation is an unmanaged industrial 100Mbit Ethernet switch specifically designed to suit your heavy industrial environments. Well protected in a rugged IP30 grade housing, the switch ensures dependable and uninterrupted operations even in harsh environments, making it an ideal networking solution for Industrial applications. The SWITCH 2005TX is equipped with 5 x 10/100-BASE-TX ports and supports Fast Ethernet with VLAN support and Flow Control to achieve greater flexibility, stability and thus availability in your network.

ORDER DETAILS

Function: 5 x 10/100 RJ45 unmanaged ports, storm-, flow control, VLAN support, 12 ... 48 V DC, width: 29,5 mm
SKU/Order No.: SA-2005-TX-01-00

Features



5 x 100 Mbit RJ45 Ports

10/100 BASE-TX RJ45 Ports

Industrial Grade EMI/EMS

The Switch need to be robust enough to handle harsh field site conditions, which can include high-voltage transients, severe shock and vibration, and extremely high temperatures.

Easy Installation “plug-n-play”

Featuring Auto-MDI/MDIX and Auto-negotiation on all ports, the Switch automatically detects and configures the best mode of operation over a link. This eliminates the need of user setup or configuration procedure and simplifies installation.

Storm Control

The switch counts the number of packages of a specified type received within a defined time interval and compares the measurement with a predefined threshold.

VLAN-support

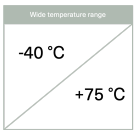
A VLAN (Virtual Local Area Network) separates a physical network into virtual subnets. The main advantage of using VLAN is the reduction of the overall communication load and the possibility to prioritize the subnets differently.

Flow Control

When using the Flow Control technology, the receiving device can send a so-called PAUSE frame. This causes the transmitter to stop sending new data. The result is a reduction in frame dropping, which reduces network load and increases availability.

Shock/Free-fall/Vibration Approval

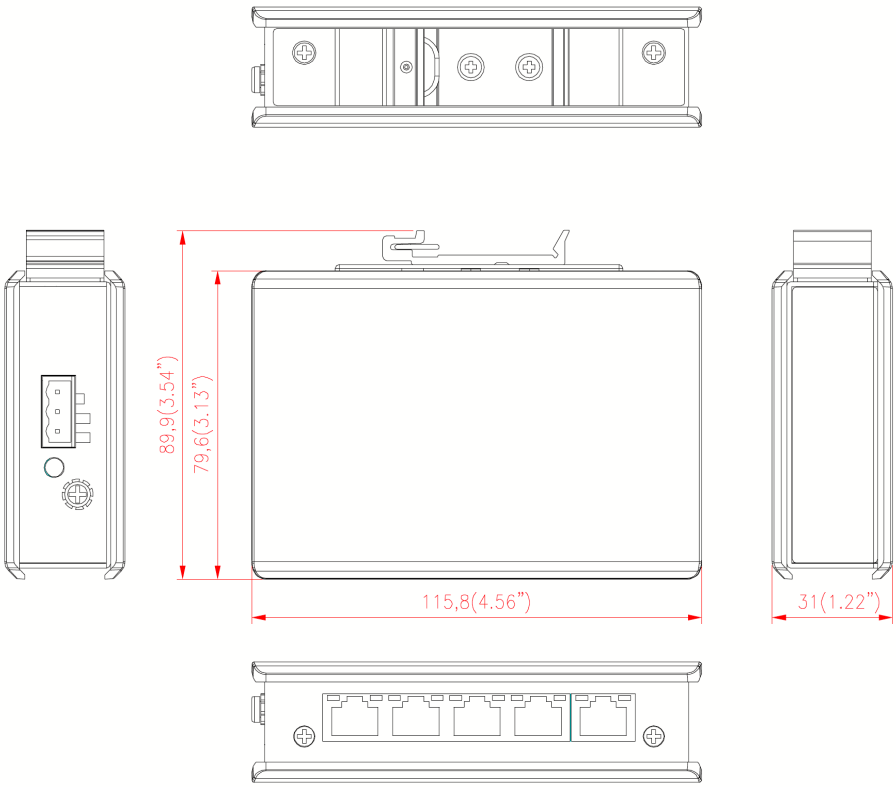
According IEC 60068 all tests approved



Wide Operating Temperature

Industrial rugged metal housing featuring wide operating temperature range designed for harsh environments.

Mechanical Dimensions



Dimension drawing

Technical Data

IEEE Standards

IEEE 802.3	10Base-T
IEEE 802.3U	100Base-TX
IEEE 802.3	Nway Auto-negotiation
IEEE 802.3X	Flow Control
IEEE 802.1Q	VLAN Support

Interface

Ports (RJ45)	5 x 10/100Base-TX
LED Panel	PWR, 100, LNK/ACT

Switch Features

Jumbo Frame Size	1552 Bytes
MAC Table size	1 k
Throughput	14,880 pps to 10 Mbps ports; 148,800 pps to 100 Mbps ports
Switch Fabric	1 Gbps

Input Data

Input Voltage Range DC	12 ... 48 V
Input Current (typ.)	0.15 A
Power Consumption (max.)	3 W

Mechanical Data

Housing	Metal / Plastic
Mounting DIN Rail according EN 60715	TH35
Weight (typ.)	160 g

Ambient Condition

Ambient Temperature (operating)	-40 °C ... 75 °C
Ambient Temperature (storage/transport)	-40 °C ... 85 °C
Operating Humidity (non-condensing)	5 ... 95 % RH
Storage Humidity (non-condensing)	5 ... 95 % RH

Dimensions

Width	31 mm
Depth	79.6 mm
Height	115.8 mm

Standards and Regulations

Electromagnetic Interference (EMI)	FCC Part 15 Subpart B class A; EN 55011; EN 55032 class B; EN 61000-6-4
Vibration	IEC 60068-2-6
Environmental Management Systems (EMS)	EN 55024; EN 61000-6-2; EN 61000-4-2 (ESD) : Level 3; EN 61000-4-3 (RS) : Level 3; EN 61000-4-4 (Burst) : Level 3; EN 61000-4-5 (Surge) : Level 3; EN 61000-4-6 (CS): Level 3
Shock Test	IEC 60068-2-27
Free-fall Test	IEC 60068-2-32
Safety Standard	UL61010
RoHs	Yes

Commercial Data

Customs Tariff Number	85176200