Industrial Ethernet switch

WASSIL, WASSIL-FX

The WASSIL is an unmanaged industrial Ethernet switch designed to provide reliable, high-speed network connectivity in industrial environments. It enables seamless communication between Ethernet devices without requiring configuration, making it suitable for industrial automation, control systems, and other Ethernet-based applications. Its rugged industrial design ensures stable operation under demanding environmental conditions.

Key Features

- Plug-and-play operation
- Supports IEEE 802.3 Ethernet standards
- Industrial 24 VDC power input
- Surge and ESD protection
- Wide operating temperature range
- Rugged industrial design

Typical Application

- Industrial automation systems
- Machine and process control
- Factory Ethernet networks
- Enterprise network expansion
- IP surveillance systems
- Building automation
- Distributed control systems (DCS)
- PLC and HMI networking

Package Contents:

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Address: Zone industrielle Baba Ali Alger Algeria

Safety Instruction



Please read this manual: Read these instructions before installing or operating the CE100. Failure to follow these instructions may result in injury, equipment damage, or improper operation.



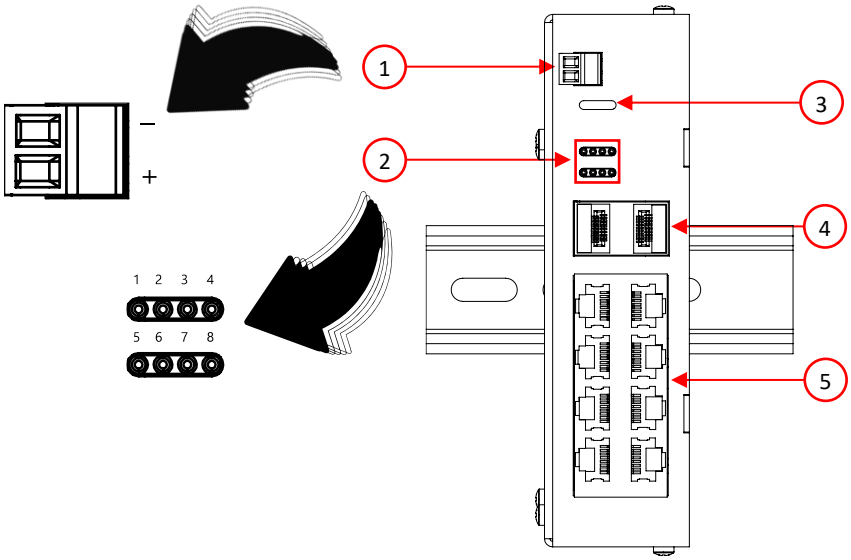
Qualified Personnel: Installation, wiring, commissioning, and maintenance must be performed only by qualified personnel familiar with industrial control equipment and applicable electrical safety regulations

 DANGER HAZARD OF ELECTRIC SHOCK	• This equipment is powered by an external DC power source. • Disconnect all power sources before installation, servicing, or maintenance Failure to follow these instructions **WILL result in** death or serious injury.
 WARNING	• Do not exceed the specified input voltage (24 VDC nominal). Overvoltage may cause fire hazard or permanent equipment damage. • Incorrect wiring, including reverse polarity connection, may result in malfunction or hazardous conditions. Failure to follow these instructions **COULD result in** death, serious injury, or equipment damage.
 CAUTION	• Install the device in a suitable industrial enclosure or cabinet to avoid exposure to dust, moisture, and mechanical stress • Ensure adequate clearance for heat dissipation and compliance with the specified operating temperature ranges. • Use shielded twisted-pair Ethernet cables in electrically noisy environments and ensure proper grounding of cable shields where applicable. Failure to follow these instructions **COULD result in** minor or moderate injury.
NOTICE *RISK OF EQUIPMENT DAMAGE*	• This equipment is intended for use in **industrial Ethernet communication systems only**, including automation, control, surveillance, and enterprise networking applications. • Surge and ESD protection features are supplementary and do not replace correct installation practices. • Proper network design shall be implemented to avoid unintended broadcast storms or network loops in unmanaged switch deployments. Failure to follow these instructions **MAY result in** equipment damage or reduced product life.

Product Specification

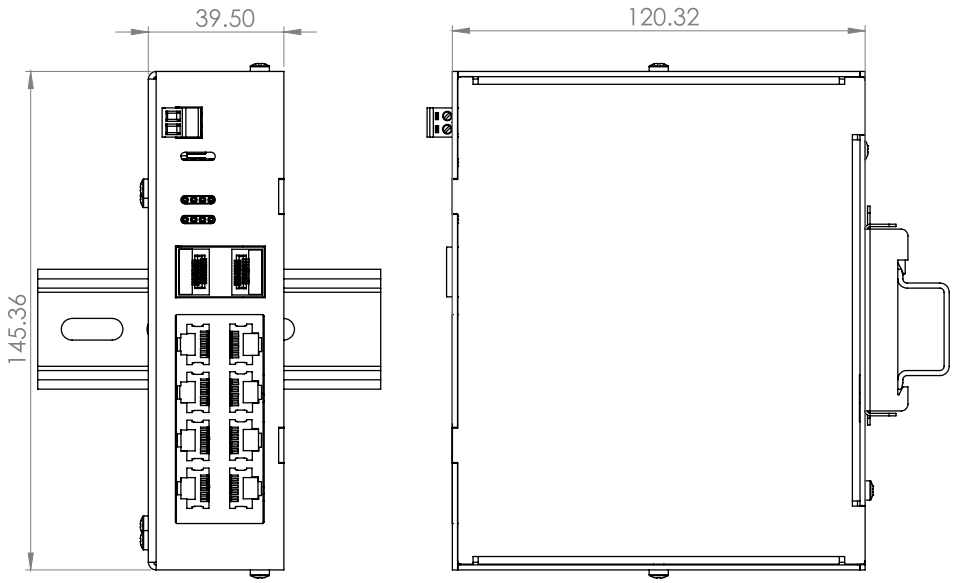
Parameter	Specification / Industrial Metric	
	WASSIL	WASSIL-FX
ELECTRICAL & IO		
Supply Voltage	24 VDC	
Power Consumption	≤ 10 W	
Total Ports	5× RJ45 (WASSIL)	8× RJ45 + 2× 1 Gbps SFP (WASSIL FX)
PERFORMANCE		
Port Types & Speed	10/100/1000 Mbps RJ45 1 Gbps SFP (FX model)	10/100/1000 Mbps RJ45 1 Gbps SFP (FX model)
MAC Address Table	2K entries	
STANDARDS & PROTOCOLS		
IEEE Standards	IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3x	
PROTECTION		
Surge Protection	6 kV Line-to-Line / Line-to-Ground	
ESD Immunity	±8 kV Contact, ±15 kV Air	
MECHANICAL		
Mounting	35mm DIN Rail	
Dimensions (L × W × H)	TBD	145.4 × 39.5 × 120.32 mm
Weight	0.284 kg	0.41 kg
ENVIRONMENTAL		
Operating Temperature	TBD	
Storage Temperature	TBD	
Protection index (IP)	IP20	

Product Identification

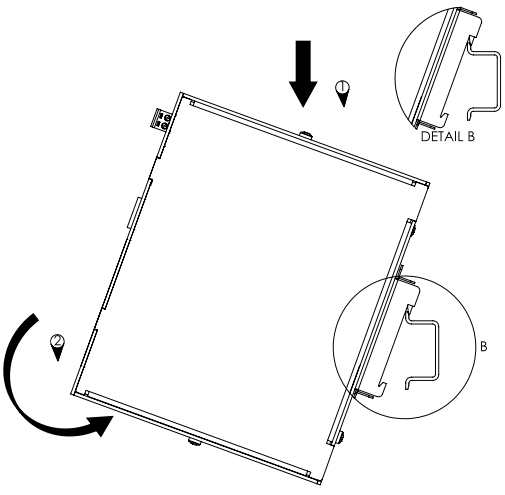


1. Input power
2. 8 × Status LEDs
3. USB type C port
4. 2 × Fibre optic ports
5. 8 × Copper ports

Dimension



Installation



1. Hook the upper DIN-rail slot over the top edge of the rail.
2. Pivot and press the bottom of the housing firmly toward the rail until the lower spring-loaded clip snaps into place.

