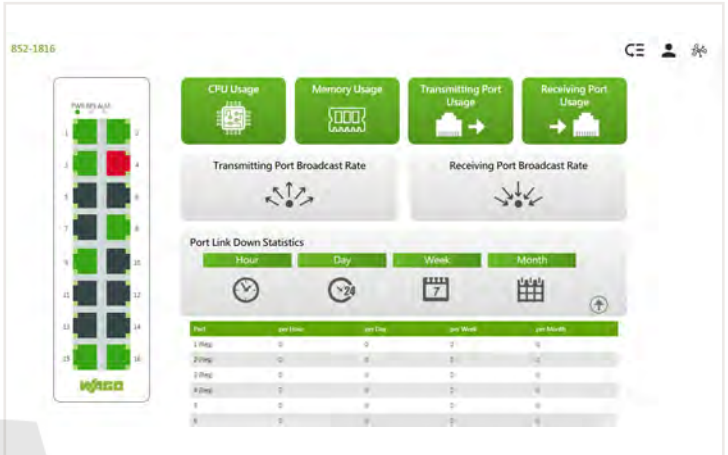
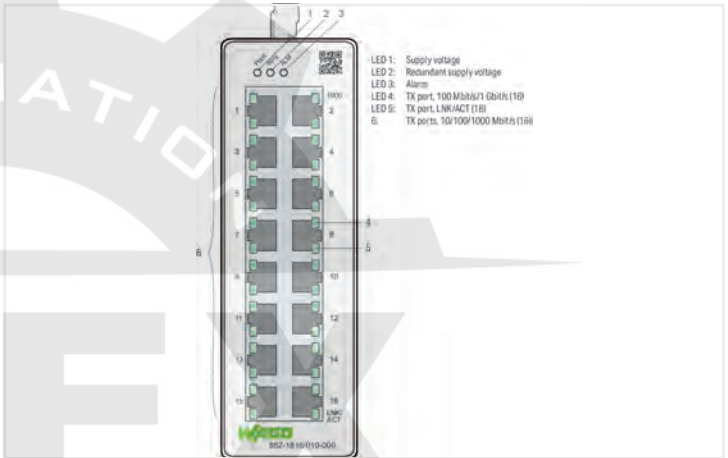




Color: light gray



The configurable 852-1816/010-000 Industrial ETHERNET Switch is equipped with 16 10/100/1000BASE-T ports. Packaged in rugged housing, this switch offers both a redundant power supply and relay-based function monitoring. This device also streamlines network management: Commissioning and diagnostics are intuitive and can be performed without extensive IT knowledge. The topology map clearly displays the switch and connected devices. Key diagnostic information is displayed on the diagnostics dashboard. The following functions increase the robustness, availability and security of the network.

- Security:**
Network segmentation per IEEE802.1Q (max. 5 VLANs), authentication of network participants per IEEE802.1X, firewall functions using access-control list (max. 32 entries)/service control, port security
- Availability:**
Rapid Spanning Tree Protocol (RSTP) for meshed and ring networks, ETHERNET Ring Protection Switching (ERPS) for up to two rings per switch, loop detection and storm control on each port
- Configuration/Diagnostics/Maintenance:**
Port mirroring, Modbus® registers, SNMP v3, SNMP trap events, alarm threshold, port statistics, backup and restore, system log, syslog server, command line interface with SSH/Telnet, topology map and dashboard

Technical data	
Switching mode	Store-and-forward; non-blocking
Number of 1 Gbit/s ports	16
Communication standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX/FX IEEE 802.3ab 1000BASE-T IEEE 802.3x Flow Control IEEE 802.1d Spanning Tree Protocol (STP) IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) IEEE 802.1Q VLAN Tagging IEEE 802.1p Prioritization IEEE 802.1X Port Authentication IEEE 802.1ab Link Layer Discovery Protocol (LLDP) IEEE 802.3az Energy Efficient Ethernet ITU-T G8032v1/v2 Ethernet Ring Protection Switching (ERPS)

Technical data

Redundancy function	Redundant DC power supply; STP; RSTP; ERPSv1/v2 (max. 2 rings per switch, max. 16 switches per ring, switching time)
Configuration options	DIP switch for signal contact Web-Based Management Command Line Interface SNMPv1/v2c/v3
Diagnostics	Signal contact; Modbus TCP; port status; port statistics; port load; traffic monitor; syslog; SNMP traps; loop detection; diagnostics dashboard; topology map
Safety	Access-control list with max. 32 entries; port security; IEEE 802.1X authentication
MAC table (size)	8000 addresses
Jumbo frame size	10000 bytes
Supply voltage	12 ... 60 VDC
Power consumption (max.)	12 W
ESD (contact/air discharge)	8 KV / 15 KV
Baud rate	Copper cable: 10/1000 Mbit/s
VLAN	Port-based and tag-based (max. 5 VLANs)

Connection data

Connection technology: communication/fieldbus	Copper cable: 16 x RJ-45
---	--------------------------

Physical data

Width	50 mm / 1.969 inches
Height	160 mm / 6.299 inches
Depth	120 mm / 4.724 inches

Mechanical Data

Weight	840 g
Color	light gray
Conformity marking	CE

Environmental requirements

Ambient temperature (operation)	-10 ... +60 °C
Surrounding air temperature (storage)	-40 ... +85 °C
Protection type	IP30
Relative humidity (without condensation)	95 %
Mounting type	DIN-35 rail
Vibration resistance	per IEC 60068-2-6
Shock resistance	per IEC 60068-2-27
EMC immunity to interference	per EN 61000-6-2
EMC emission of interference	per EN 61000-6-4
Fire load	0 MJ

Commercial data

PU (SPU)	1 pcs
Country of origin	TW
GTIN	4066966163438
Customs tariff number	85044082900

Approvals and certificates

General approvals



Approval	Standard	Certificate name
UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product
Compliance
852-1816/010-000



Documentation

Manual			
Product Manual Lean Managed Switch	V 1.0.0 13.12.2021	pdf 18138.68 KB	

Bid Text		
0852-1816/0010-0000	docx 32.43 KB	
0852-1816/0010-0000	xml 7.92 KB	

CAD/CAE-Data

CAD data	
2D/3D Models 852-1816/010-000	