

# NEW PRODUCT RELEASE

## Ethernet Switches



Five new ethernet switches expand WAGO's portfolio of industrial switches. These devices' features address the needs of factory, process and energy markets with extended temperature operation (-40 °C ... +70 °C) and application specific features.

**852-602:** Managed switch with 8 RJ45 ports at 100 Mb/s supports PROFINET conformance Class B for high speed communications and the PROFINET MRP protocol for media redundancy.

**852-603:** Managed switch with 8 RJ45 ports at 100 Mb/s and 2 100 Mb/s fiber optic ports supports PROFINET conformance Class B for high speed communications and the PROFINET MRP protocol for media redundancy.

**852-1305/000-001:** Managed switch with 8 RJ45 ports at 1 Gb/s and 4 100 Mb/s fiber optic ports and is approved for the energy market IEC 61850-3 standard. Configure the switch via a USB port.

**852-1505/000-001:** Managed switch with 8 Power over Ethernet RJ45 ports at 1 Gb/s and 4 1 Gb/s fiber optic ports. The switch can be powered with 24 VDC eliminating the need for a 48 VDC power supply in the control cabinet. Configure the switch via a USB port.

**852-1605:** Managed switch with 8 RJ45 ports at 1 Gb/s and 4 1 Gb/s fiber optic ports supports PROFINET conformance Class B for high speed communications and the PROFINET MRP protocol for media redundancy.

## Features/Benefits:

Features:	Benefits:
Managed switch with PROFIBUS Class B conformance	Use with PROFIBUS networks requiring PROFIBUS features including SNMP, network topology support, alarms and diagnostics, real time data exchange of 1 ms
IEC 61850 approved managed switch	61850-3 defines the design and environmental conditions for utility communication devices. WAGO's extended temperature switch is ideal for energy applications
24 VDC power for Power over Ethernet switch	Eliminate the need for 48 VDC power supply in a panel for PoE devices
Managed switch with extended temperature	Engineer these switches into harsh environment applications

## Product Comparison:

	852-602	852-603	852-1305/000-001	852-1505/000-001	852-1605
Switch Type	Managed	Managed	Managed	Managed	Managed
Features	PROFINET Class B	PROFINET Class B	IEC 61850-3 approved	PoE - 30 W per port	PROFINET Class B
Copper RJ45	8 x 10/100 Mb/s	8 x 10/100 Mb/s	8 x 10/100/1000 Mb/s	8 x 10/100/1000 Mb/s	8 x 10/100/1000 Mb/s
Fiber Optic SFP	None	2 x Conf. 100 Mb/s or 1 Gb/s	4 x 1 Gb/s	4 x 1 Gb/s	4 x 1 Gb/s
USB Port	None	None	1 x USB	1 x USB	None
Power Supply	Redundant	Redundant	Redundant	Redundant	Redundant
Operating Voltage	12 ... 60 VDC	12 ... 60 VDC	12 ... 48 VDC	24 ... 57 VDC	12 ... 60 VDC
Alarm Relay	Yes	Yes	Yes	Yes	Yes
LEDs per Port	Yes	Yes	Yes	Yes	Yes
Mounting Type	DIN rail	DIN rail	DIN rail	DIN rail	DIN rail
Operating Temp.	-40 °C ... +70 °C	-40 °C ... +70 °C	-40 °C ... +70 °C	-40 °C ... +70 °C	-40 °C ... +70 °C
cULus 61010-2-201	Yes	Yes	Yes	Yes	Yes
List Price	\$727.00	\$872.10	\$1,102.00	\$1,156.00	\$1,172.00
Use with SFP Accessories	None	852-1200 1 Gb/s MM 0.55 KM 852-1210 1 Gb/s SM 10 KM 852-1280 1 Gb/s SM 80 KM 852-201/107-002 MM 100 Mb/s 2 KM 852-201/107-030 SM 100 Mb/s 30 KM	852-1200 1 Gb/s MM 0.55 KM 852-1210 1 Gb/s SM 10 KM 852-1280 1 Gb/s SM 80 KM	852-1200 1 Gb/s MM 0.55 KM 852-1210 1 Gb/s SM 10 KM 852-1280 1 Gb/s SM 80 KM	852-1200 1 Gb/s MM 0.55 KM 852-1210 1 Gb/s SM 10 KM 852-1280 1 Gb/s SM 80 KM
MM=Multi-mode SM=Single-mode					




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### Competitive Analysis:

	WAGO 852-602	Siemens	Phoenix Contact
			
Product Category	Managed switch	Managed Ethernet switch	Managed switch
Est. List Price	\$727.00	\$715.00	\$1,234.00
Features	PROFINET Class B	PROFINET Class B	PROFINET Class B
Copper RJ45 Ports	8 x 10/100 Mb/s	4 x 10/100 Mb/s	6 x 10/100 Mb/s
Fiber Optic SFP Slots	None	None	2 single-mode
USB Port	None	None	None
Power Supply	Redundant	Redundant	Redundant
Operating Voltage	12 ... 60 VDC	18 ... 32 VDC	9 ... 57 VDC
Alarm Relay	Yes	Yes	None
Operating Temp.	-40 °C ... +70 °C	-40 °C ... +60 °C	-40 °C ... +70 °C
Notes		Only 4 ports	High cost

	WAGO 852-1505/000-001	Moxa	N-Tron (Red Lion)
			
Product Category	Managed switch	Managed switch	Managed switch
Est. List Price	\$1,156.00	\$1,599.00	\$2,362.00
Features	PoE 30 W / channel	PoE 36 W / channel	PoE 30 W / channel
Copper RJ45 Ports	8 x 1 Gb/s PoE	8 x 10/100 Mb/s PoE	8 x 1 Gb/s PoE
Fiber Optic SFP Slots	4 x 1 Gb/s	2 x 1 Gb/s	None
USB Port	None	None	Yes
Power Supply	Redundant	Redundant	Redundant
Operating Voltage	24 ... 57 VDC	48 VDC	22 ... 49 VDC
Alarm Relay	Yes	Yes	Yes
Operating Temp.	-40 °C ... +70 °C	-40 °C ... +75 °C	-40 °C ... +80 °C
Notes		Copper ports are not 1 Gb/s, requires 48 VDC supply voltage	Large footprint, high cost

### 852 Selling Features:

- Wide offering of industrial switches
- Managed and unmanaged products
- Extended temperature operation
- PoE versions with 30 Watts per channel
- Support of copper and fiber optic ports
- Competitively priced

### Where to Sell:

- Machine builders
- Factories
- Process plants
- Marine applications
- Energy market

### Cross Selling:

- I/O modules
- Ethernet RJ45 connectors
- Power supplies
- Terminal blocks
- 750 Series I/O
- Touch Panel 600

Important Links: [852-602](#), [852-603](#), [852-1305/000-001](#), [852-1505/000-001](#), [852-1605](#), [www.mywago.us](http://www.mywago.us)

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