# brainboxes

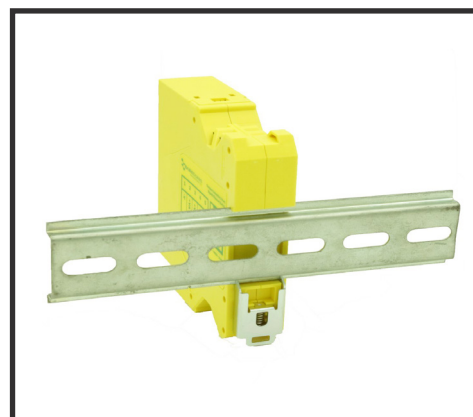## COMPACT INDUSTRIAL 5 PORT GIGABIT ETHERNET SWITCH

SW-515

- 5 Gigabit Ethernet ports
- Wide voltage input range: +5V to +30V DC - can be powered by a variety of sources
- Industrial temperature range: -40°C to +80°C/-40°F to +176°F - works in extreme conditions
- Redundant dual power inputs - reduces risk of power outage
- Compact design - efficient use of DIN rail
- Integral DIN mount

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IP20	5	+80°C -40°C	5-30VDC	DIN
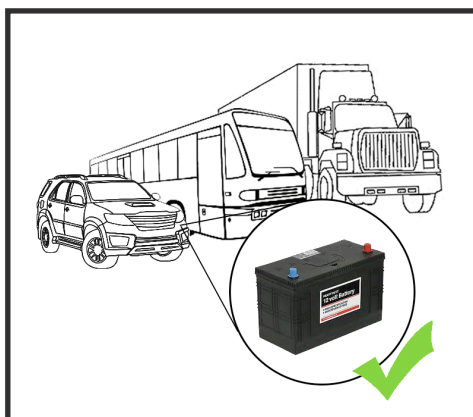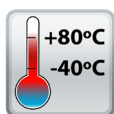
+5 to +30 Volt power input enables the device to be run from a standard car battery - ideal for in vehicle applications

Non conducting polyamide casing with removable numbered power terminal for easy wiring

Integral DIN mount and slim design takes up minimal cabinet space

SW-515   COMPACT INDUSTRIAL 5 PORT GIGABIT ETHERNET SWITCH

No software needed: Simply plug in any ethernet cable

All Ethernet ports are Auto MDI/MDIX supporting straight through or crossover Ethernet cables

Integral DIN mount with ground

Automatic detection of data transmission speed: 10 or 100 or 1000 Mbps

-40ºC to +80ºC/-40ºF to +176ºF temperature range

Non-conducting polyamide case

Compact case - all round small profile

Power consumption is optimised based on the status of the link device

Dual redundant power input: +5VDC to +30VDC

Easy Wire Removable screw terminal block

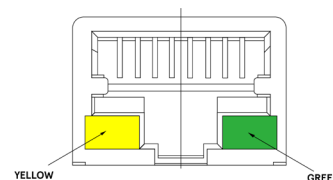| Connectors	
Screw Terminals	3.5mm pitch, #22 - #14, $0.5mm^2$-$2.5mm^2$ pin power supply
Wire Thickness	0.150 inch, 3.81mm, 20 pins, 12+8 screw terminals, #26 - #16 AWG, $0.14mm^2$-$1.3mm^2$
Power Supply	
Power Consumption	3.6W Max: 720mA@+5VDC/120mA@+30VDC
Power Supply input	Unregulated +5V to +30Volts DC, reverse polarity protection
Isolation	1500VRMS Magnetic isolation from Ethernet
Environmental	
Operating Temperature	-40ºC to +80ºC/-40ºF to +176ºF
Storage Temperature	-40ºC to +80ºC/-40ºF to +176ºF
Ambient Relative Humidity	5 to 95% (non-condensing)
Magjack LED Information		
Link/Activity LED	Solid green	Connection established
	Flashing Green	Data communication
Speed LED	Yellow	1Gbs
	Green	100Mbs
	Both	10Mbs
Ethernet	
Ethernet Port	5 x RJ45 jack, 10/100/1000Mbs autosensing, crossover auto sensing (Auto MDIX)
Protection	1,500 Volts magnetic isolation between ports
Housing	IP-20 rated non-conducting polyamide case

YELLOW   GREEN

SW-515   COMPACT INDUSTRIAL 5 PORT GIGABIT ETHERNET SWITCH

Power Terminal Pin Outs

PIN	FUNCTION
1	-V
2	+VA
3	+VB
4	-V
5	Functional Earth

Ethernet Ports x5 Pin Outs

PIN	FUNCTION
1	TxRxA+
2	TxRxA-
3	TxRxB+
4	TxRxC+
5	TxRxC-
6	TxRxB-
7	TxRxD+
8	TxRxD-

Lifetime Warranty and Support:
We can help with every aspect of your project, from getting you up and running to custom application.

brainboxes

SW-515   COMPACT INDUSTRIAL 5 PORT GIGABIT ETHERNET SWITCH

Packaging Information

Packaging	Quick Start Guide
Device	Ethernet Switch 5 port
Packaged Weight	0.199 kg, 7.02 ounces
Packaged Dims	160x135x49 mm, 6.3x5.3x1.9 inches
GTIN Universal Code	837324004281

Approvals

Industry Approvals	Microsoft Certified Gold Partner, WEEE, RoHS, AEO (C-TPAT), CE, METL Complies with UL 60950-1

Product Support

Warranty	Lifetime - online registration required
Support	Lifetime web, email and phone support from fully qualified, friendly staff who work in and alongside the Product Development Team

Additional Information

OEM option	Available for bulk buy OEM
Made In	Manufactured in Great Britain (GB) by Brainboxes - Winner 2005 European Electronics Industry Awards 'Manufacturer of the Year'
Customisable	Brainboxes operate a 'Perfect Fit Custom Design' policy for volume users. More info:sales@brainboxes.com

PW-600
Power supply with connectors for UK, USA, EU and AUS mains socket. 'Tails' are suitable for connecting to screw terminal blocks.

PW-650
Power supply with USB connector and prewired screw terminal block. Suitable for use with 5V USB ports.

SW Range
Switch products available in a range of formats and specifications.
www.brainboxes.com

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