SW-114   EMBEDDED INDUSTRIAL 4 PORT GIGABIT ETHERNET SWITCH
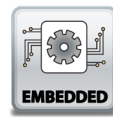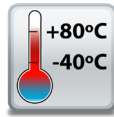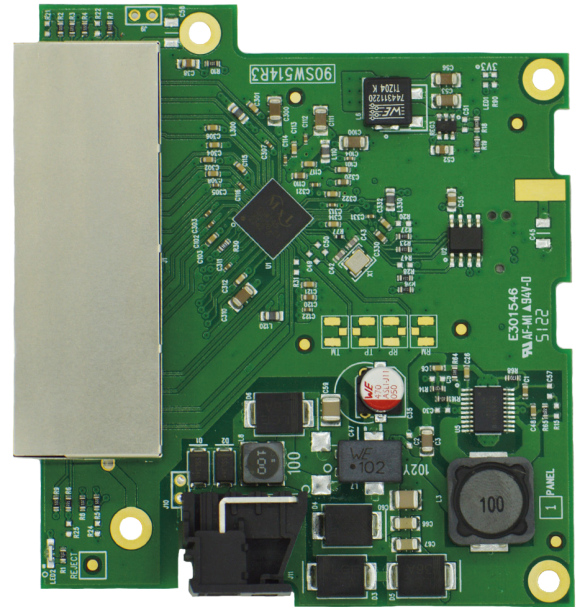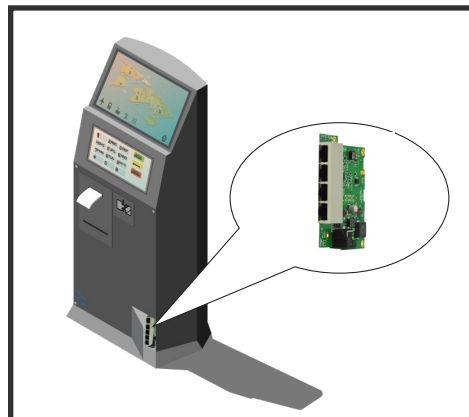
- 4 Gigabit Ethernet ports
- Wide voltage input range: +5V to +30V DC - can be powered by a variety of sources
- Industrial temperature range: -40°C to +80°C/-40°F to +176°F - works in extreme conditions
- Redundant dual power inputs - reduces risk of power outage
- Mounting holes in PCB

4	+80°C -40°C	5-30VDC	EMBEDDED
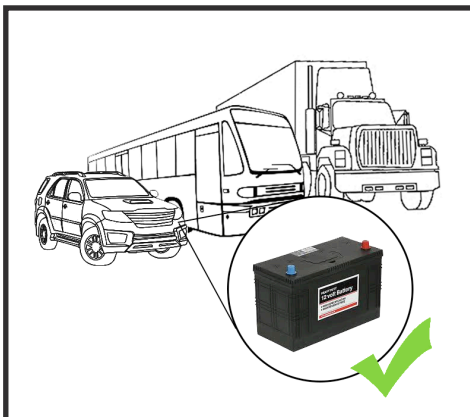
+5 to +30 Volt power input enables the device to be run from a standard car battery - ideal for in vehicle applications

Ideal for mounting within passenger information terminals or kiosks

Embedded format, takes up minimal space, with mounting holes connected to Functional Earth
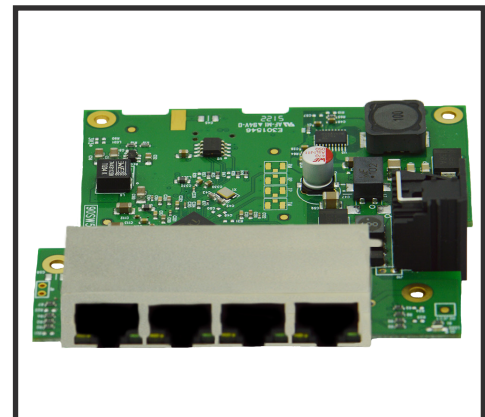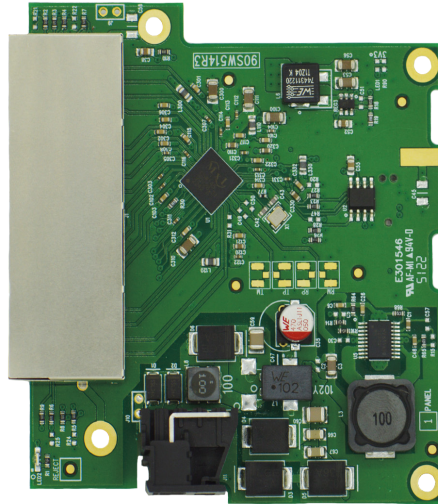
SW-114   EMBEDDED INDUSTRIAL 4 PORT GIGABIT ETHERNET SWITCH

No software needed: Simply plug in any ethernet cable

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

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

Easy Wire Removable screw terminal block

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

Ready for embedded applications

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

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

| 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: 550mA@+5VDC/90mA@+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	Solid	Connection established
	Flashing	Data communication
Speed	Yellow	1000Mbps
	Green	100Mbps

YELLOW   GREEN
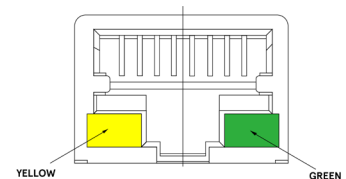
Ethernet	
Ethernet Port	4 x RJ45 jack, 10/100/1000Mbs autosensing, crossover auto sensing (Auto MDIX)
Protection	1,500 Volts magnetic isolation between ports
Housing	IP-20 rated non-conducting polyamide case

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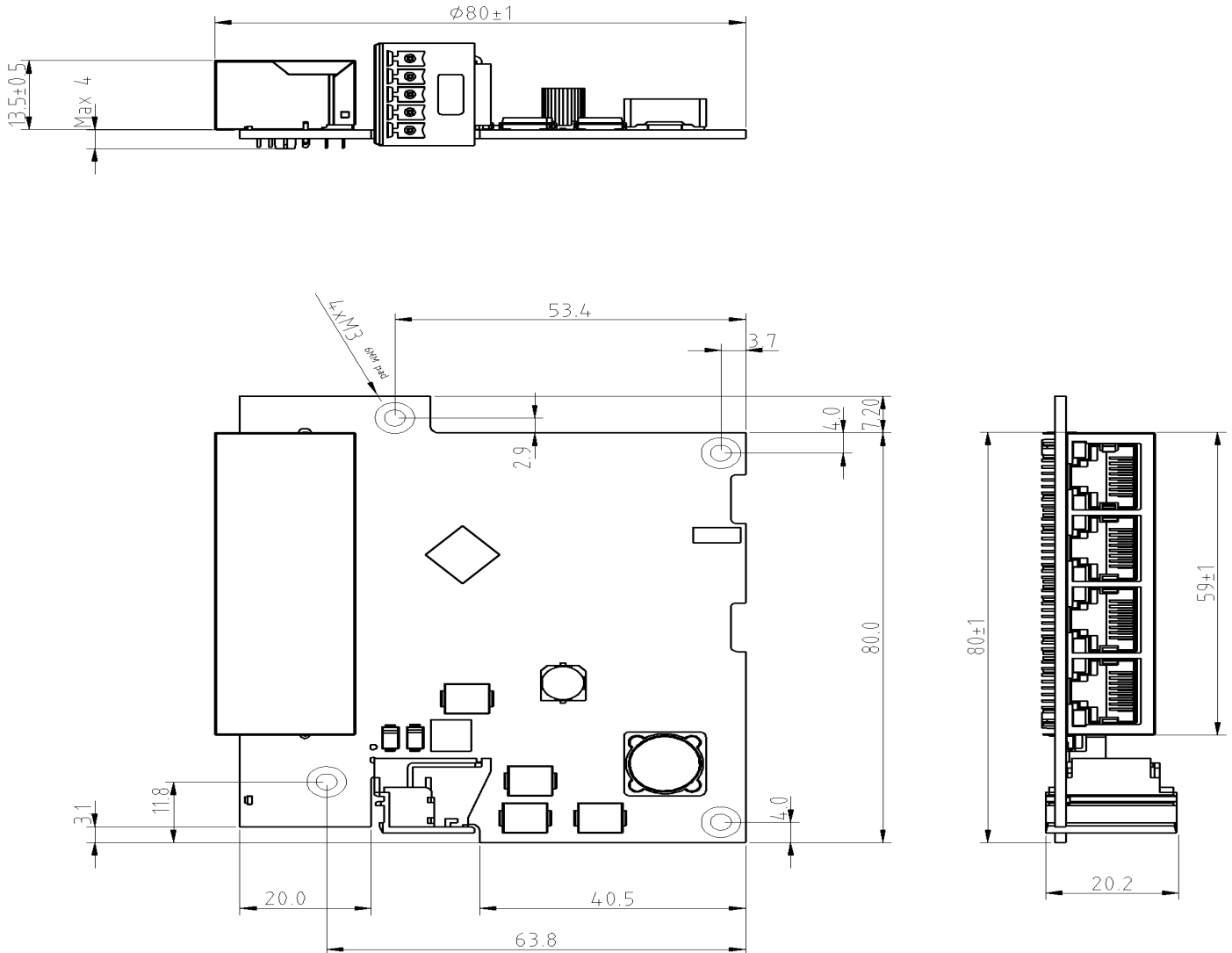
Power Terminal Pin Outs

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

Ethernet Ports x4 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.

SW-114   EMBEDDED INDUSTRIAL 4 PORT GIGABIT ETHERNET SWITCH

Packaging Information

Packaging	Quick Start Guide
Device	Ethernet Switch 4 port
Packaged Weight	0.144kg, 5.08 ounces
Packaged Dims	160x135x49 mm, 6.3x5.3x1.9 inches
GTIN Universal Code	837324004939

Approvals

Industry Approvals	Microsoft Certified Gold Partner, WEEE, RoHS, AEO (C-TPAT), CE, UKCA, METL Complies with UL62368-1

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