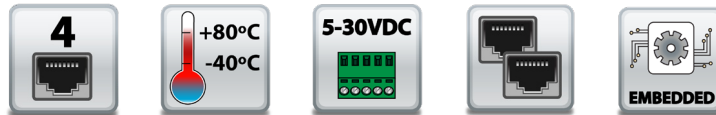
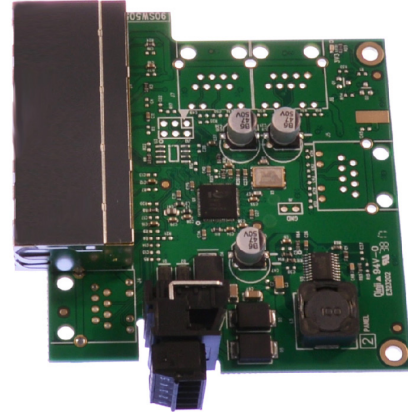


SW-104

Embedded 4 Port Ethernet Switch

4 Port Unmanaged Ethernet Switch 10/100

- 4 Port 10/100 Mbs Ethernet Switch
- Redundant dual power inputs: +5V to +30V DC
- No software required - Simply plug in and connect
- Industrial temperature range



+5 to +30 Volt Power Input enables the device to be run from a standard car battery - ideal for in vehicle applications

Embedded format, takes up minimal space, with mounting holes are connected to Functional Earth

Provides additional Ethernet ports for your custom application



SW-104

Embedded 4 Port Ethernet Switch 10/100

No software needed: Simply plug in any ethernet cable

-40°C to +80°C/-40°F to +176°F temperature range

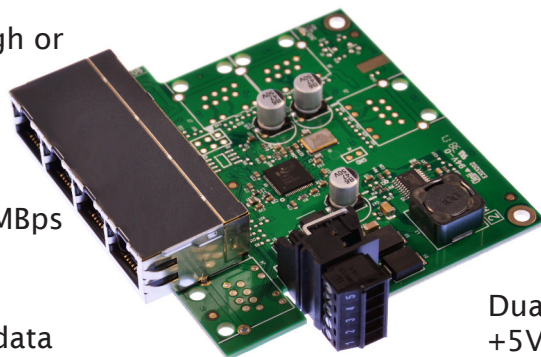
All Ethernet ports are Auto MDI/MDIX supporting straight through or crossover Ethernet cables

Ready for embedded applications

Automatic detection of data transmission speed: 10 or 100 MBps

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

2k Byte maximum packet size – improves the efficiency of bulk data transfer and system performance



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

Easy Wire Removable screw terminal block

Connectors

Screw Terminals

3.5mm pitch, #22 - #14, 0.5mm²-2.5mm² pin power supply

Wire Thickness

0.150 inch, 3.81mm, 20 pins, 12+8 screw terminals, #26 - #16 AWG, 0.14mm²-1.3mm²

Power Supply

Power Consumption

1.1 Watts Max : 220 mAmps@+5VDC/36mAmps@+30VDC

Power Supply input

Unregulated +5V to +30Volts DC, reverse polarity protection

Isolation

1500VRMS Magnetic isolation from Ethernet

Environmental

Operating Temperature

-40°C to +80°C/-40°F to +176°F

Storage Temperature

-40°C to +80°C/-40°F to +176°F

Ambient Relative Humidity

5 to 95% (non-condensing)

Magjack LED Information

Link/Activity LED

Solid green

Connection established

Flashing Green

Data communication

Ethernet

Ethernet Port

4 x RJ45 jack, 10/100Mhz autosensing, crossover auto sensing (Auto MDIX)

Protection

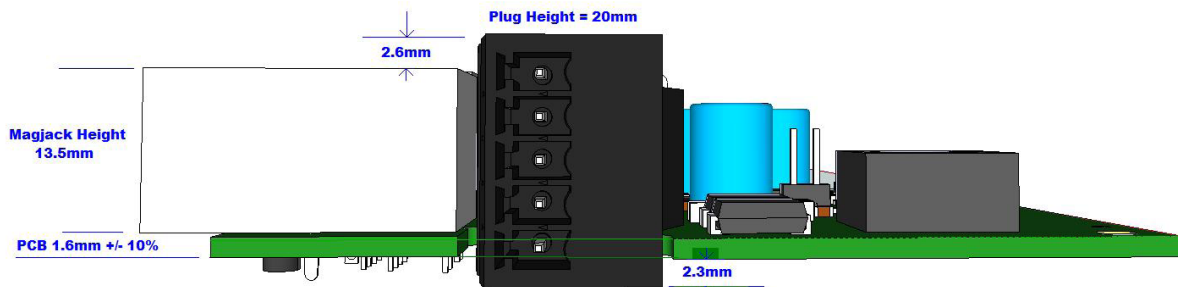
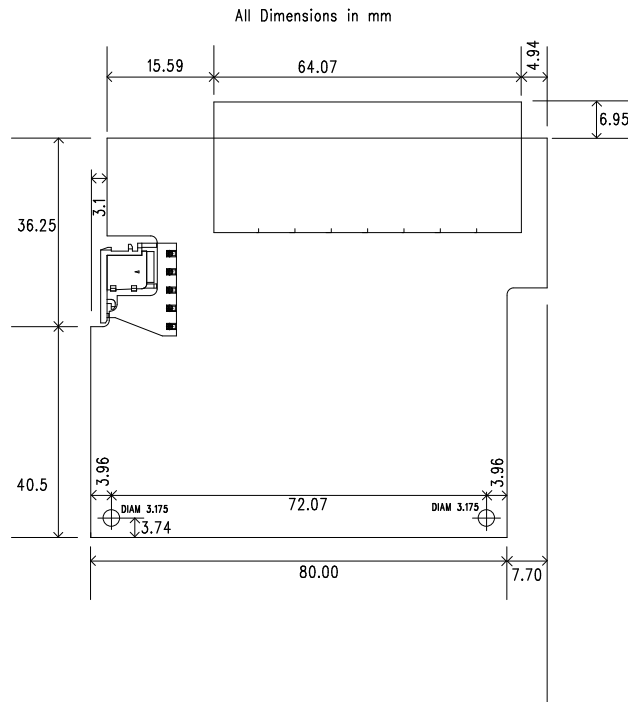
1,500 Volts magnetic isolation between ports

Housing

This device is uncased for embedded applications
The mounting holes are connected to Functional Earth

SW-104

Embedded 4 Port Ethernet Switch 10/100



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	RD+ / TD+
2	RD- / TD-
3	TD+ / RD+
4	NC
5	NC
6	TD- / RD-
7	NC
8	NC

Lifetime Warranty and Support:

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

SW-104

Embedded 4 Port Ethernet Switch 10/100

Packaging Information

Packaging	Quick Start Guide
Device	Ethernet Switch 4 port
Packaged Weight	0.082 kg, 2.89 ounces
Packaged Dims	160x135x49 mm, 6.3x5.3x1.9 inches
GTIN Universal Code	837324004175

Approvals

Industry Approvals	Microsoft Certified Gold Partner, WEEE, RoHS, AEO (C-TPAT), CE
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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 the UK 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