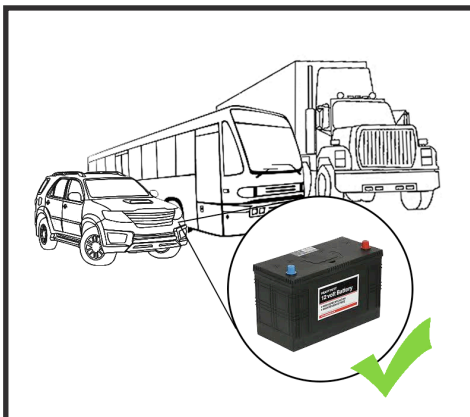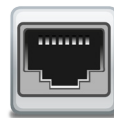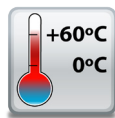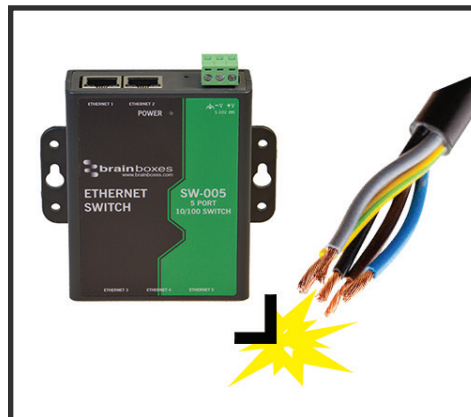## SW-005   5 Port Ethernet Switch 10/100

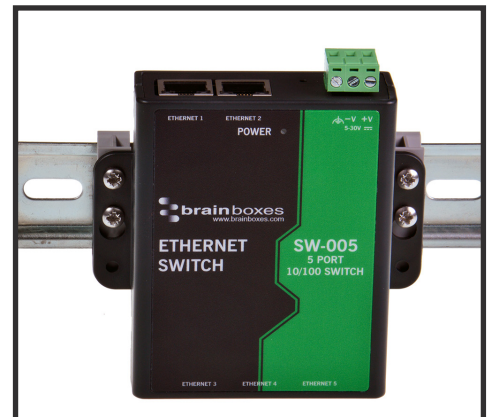5 Port Unmanaged Ethernet Switch Wall Mountable

- 5 Port 10/100 Mbs Ethernet Switch
- Power inputs: +5V to +30V DC
- Compact design with integral wall mount
- No software required - Simply plug in and connect
- Integral wall mount or optional DIN rail mount
- Connection speed and activity LEDs on each Port

IP30 | 5 | +60°C 0°C | | | 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 prevents electrical conduction – for safer installation

Integral wall mount option can be used with
MK-048 clips to allow DIN rail mounting

SW-005   5 Port Ethernet Switch 10/100

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

Broadcast Storm protection

Easy Wire Removable screw terminal block

Wide Range Input Power: +5VDC to +30VDC

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

Wall mount holes compatible with MK-048 DIN mount clips

IP30 Non-conducting polyamide case

0ºC to +60ºC/+32ºF to +140ºF temperature range

Connectors	
Screw Terminals	3 way x 0.2inch/5.08mm pitch power supply
Wire Thickness	0.150 inch, 3.81mm, 20 pins, 12+8 screw terminals, #26 - #16 AWG, 0.14mm^2-1.3mm^2

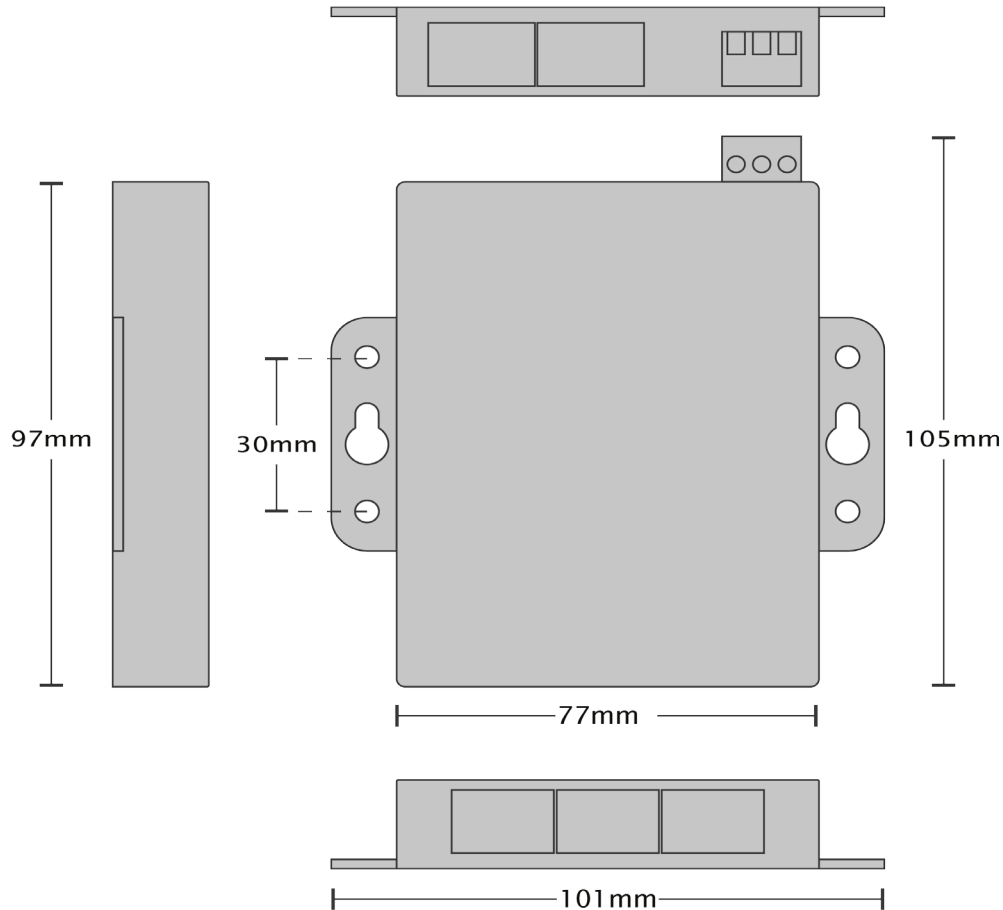| Power Supply	
Power Consumption	1.1 Watts Max : 220 mAmps@+5VDC/36mAmps@+30VDC
Power Supply input	Unregulated +5V to +30Volts DC, reverse polarity protection
Isolation	1500VRMS Magnetic isolation from Ethernet

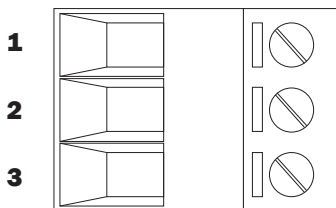| Environmental	
Operating Temperature	0ºC to +60ºC / +32ºF to +140ºF
Storage Temperature	0ºC to +70ºC / +32ºF to +158ºF
Ambient Relative Humidity	5 to 95% (non-condensing)

Magjack LED Information		
Link/Activity LED	Solid green	Connection established
	Flashing Green	Data communication
Speed LED	Green	100Base-Tx
	Unlit	10Base-T

Ethernet	
Ethernet Port	5 x RJ45 jack, 10/100Mhz autosensing, crossover auto sensing (Auto MDIX)
Protection	1,500 Volts magnetic isolation between ports
Housing	IP-30 rated non-conducting polyamide case

SW-005

5 Port Ethernet Switch 10/100

97mm
30mm
105mm
77mm
101mm

Power Terminal Pin Outs

PIN	FUNCTION
1	+V Power
2	-V Power
3	Functional Earth

1
2
3

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-005   5 Port Ethernet Switch 10/100

Packaging Information

Packaging	Quick Start Guide
Device	Ethernet Switch 5 port
Packaged Weight	0.221 kg, 7.79 ounces
Packaged Dims	160x135x49 mm, 6.3x5.3x1.9 inches
GTIN Universal Code	837324009866

Approvals

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

Product Support

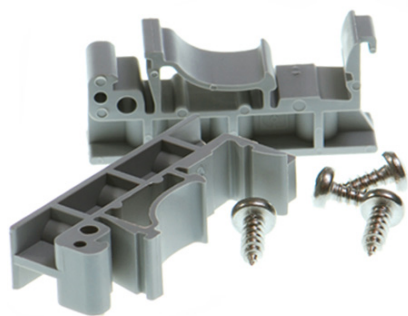|	
Warranty	Lifetime - online registration required
Support	Lifetime Web, Email and Phone Support from fully qualified, friendly staff who work in and alongside the Product Development Team

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.

MK-048
DIN Rail Mounting Kit Suitable for attaching to SW-005 to make device clip on to a DIN rail.

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