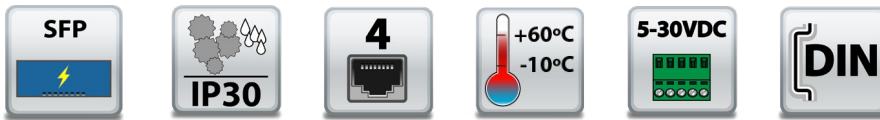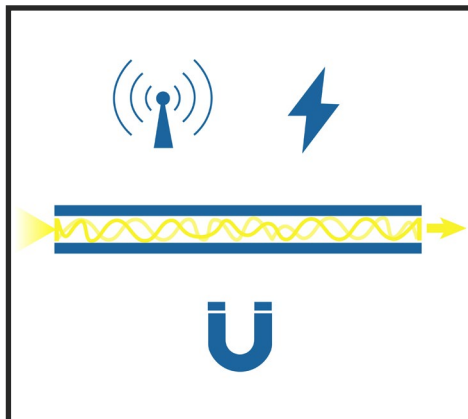## SW-084

1 SFP & 4 PORT GIGABIT ETHERNET SWITCH
(SFP module not included)

- Fast, low cost, future-proof way to deploy long network segments
- Connect to wide variety of fibre optic and copper cable types
- High speed data connection over extended distances
- Reduce susceptibility to electromagnetic interference
- Temperature range: -10°C to +60°C/-14°F to +140°F - works in extreme conditions
- Jumbo Frame support up to 9K frames
- Integral wall mount or optional DIN rail mount
- SFP Port Power Overcurrent protection

Long link lengths: expand Ethernet network beyond 100m and completely eliminate Ground loops

Fibre cables are immune to any electrical/magnetic interference, and require no cumbersome isolation devices to guard against high EMI/RFI or lightning strikes

Integral DIN mount and slim design takes up minimal cabinet space

SW-084   1 SFP & 4 PORT GIGABIT ETHERNET SWITCH

Jumbo Frame support up to 9k frames

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

Integral wall mount with optional DIN rail mount

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

SFP Power Current Overprotection

-10ºC to +60ºC/-14ºF to +140ºF temperature range

IP30 Non-conducting polyamide

Compact case - all round small profile

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

Power input: +5VDC to +30VDC

Easy Wire Removable screw terminal block

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	4.2 W
Power Supply input	Unregulated +5V to +30Volts DC, reverse polarity protection
Isolation	1500VRMS Magnetic Isolation from Twisted Pair Ethernet

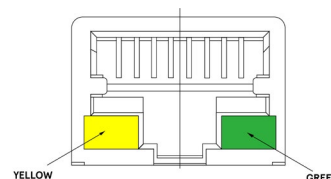| Environmental	
Operating Temperature	-10ºC to +60ºC/-14ºF to +140ºF
Storage Temperature	-10ºC to +70ºC/-14ºF to +158ºF
Ambient Relative Humidity	5 to 95% (non-condesing)

SFP/POWER LED:

Power on: Green
SFP plugged in: Amber
SFP activity: Amber Flashing
SFP Error/Incompatible: Green/Amber Flashing

Magjack LEDs:

Connection established

Data communication

Speed
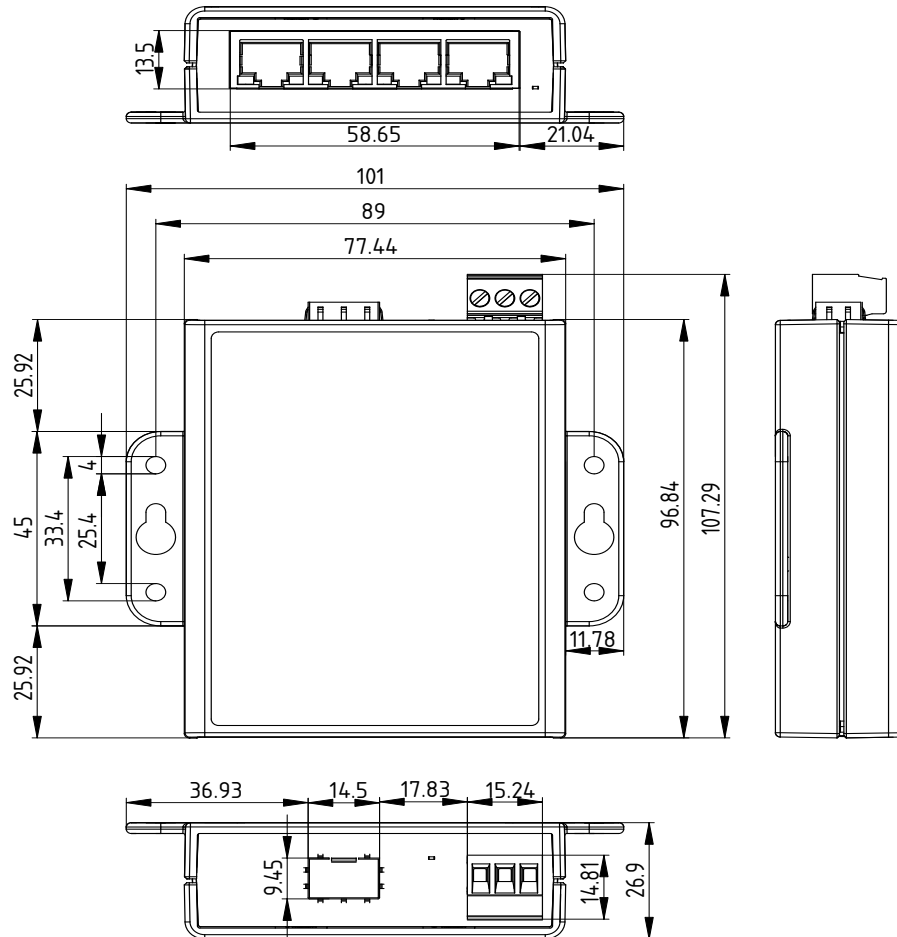1000Mbps
100Mbps

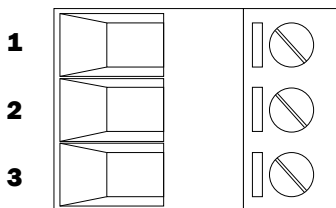YELLOW   GREEN

Ethernet	
Ethernet Port	4 x RJ45 jack, 10/100/1000Mbs autosensing, crossover auto sensing (Auto MDIX) 1 x SFP 1000BASE-X Port
Protection	1,500 Volts magnetic isolation between ports
Housing	IP30 Non-conducting polyamid case

SW-084   1 SFP & 4 PORT GIGABIT ETHERNET SWITCH

Power Terminal Pin Outs

PIN	FUNCTION
1	+V Power
2	-V Power
3	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.

SW-084   1 SFP & 4 PORT GIGABIT ETHERNET SWITCH

Packaging Information	
Packaging	Quick Start Guide
Device	Ethernet Switch 5 port
Packaged Weight	0.353 Kg, 12.45 Ounces
Packaged Dims	160x135x49 mm, 6.3x5.3x1.9 inches
GTIN Universal Code	837324005028

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.

MK-048
DIN Rail Mounting Kit Suitable for attaching to SW-084 to make device clip onto a DIN rail.

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

www.brainboxes.com