

## Product Datasheet - Technical Specifications



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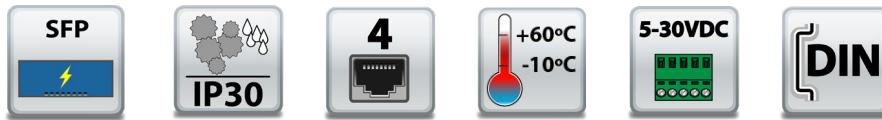
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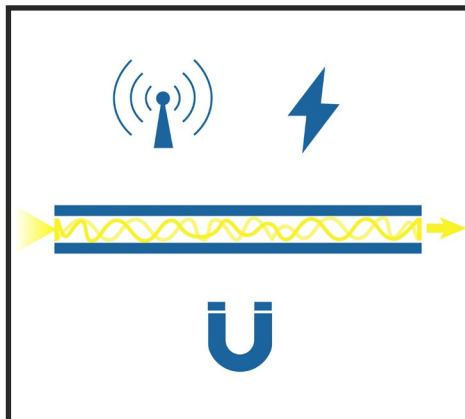
# SW-084

## 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



-10°C to +60°C/-14°F to +140°F temperature range

IP30 Non-conducting polyamide

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 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 <sup>2</sup> -1.3mm <sup>2</sup>

### 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	-10°C to +60°C/-14°F to +140°F
Storage Temperature	-10°C to +70°C/-14°F to +158°F
Ambient Relative Humidity	5 to 95% (non-condensing)

### SFP/POWER LED:

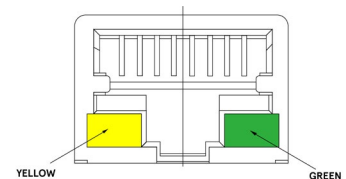
Power on: Green  
SFP plugged in: Amber  
SFP activity: Amber Flashing  
SFP Error/Incompatible: Green/Amber Flashing

### Magjack LEDs:

Connection established  
Data communication

### Speed

1000Mbps  
100Mbps

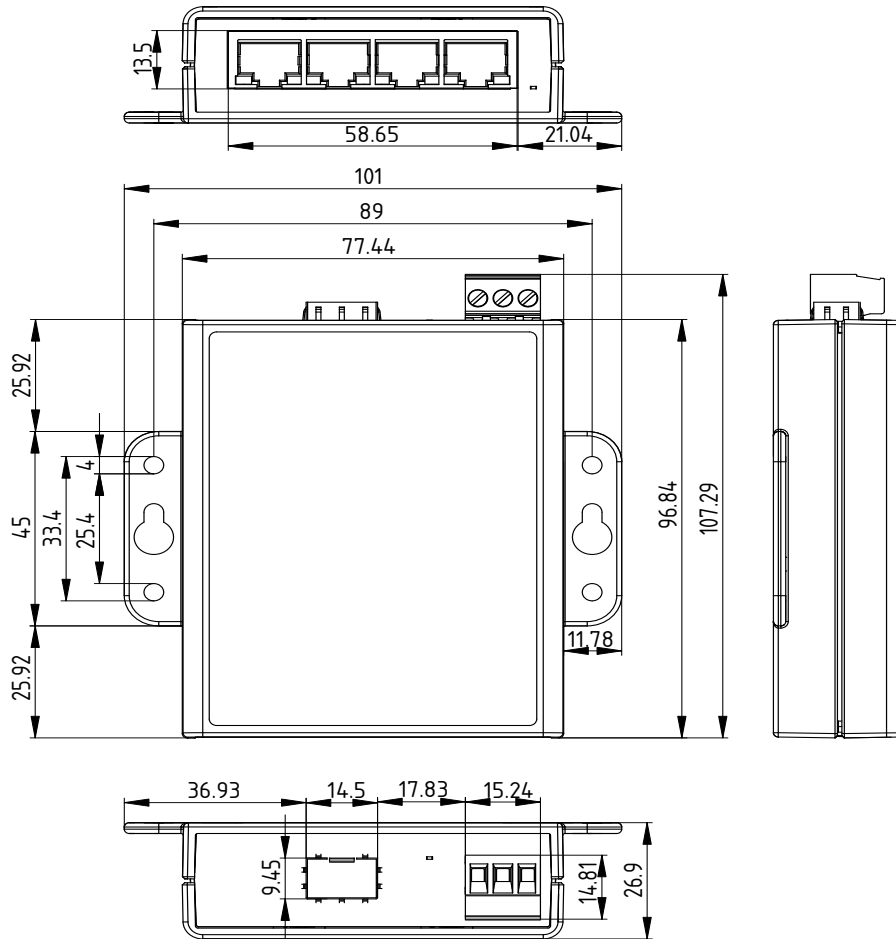


### Ethernet

Ethernet Port	4 x RJ45 jack, 10/100/1000Mbps autosensing, crossover auto sensing (Auto MDIX) 1 x SFP 1000BASE-X Port
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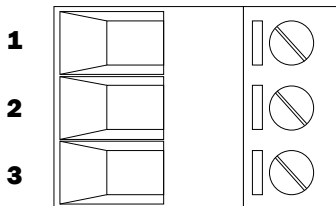
Protection 1,500 Volts magnetic isolation between ports

Housing IP30 Non-conducting polyamid case



**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
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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 Great Britain (GB) by Brainboxes - Winner 2005 European Electronics Industry Awards 'Manufacturer of the Year'



**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.