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

+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

Connectors

- Screw Terminals: 3 way x 0.2inch/5.08mm pitch power supply
- Wire Thickness: 0.150 inch, 3.81 mm, 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: -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)

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

Power Terminal Pin Outs

<table>
<thead>
<tr>
<th>PIN</th>
<th>FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>+V Power</td>
</tr>
<tr>
<td>2</td>
<td>-V Power</td>
</tr>
<tr>
<td>3</td>
<td>Functional Earth</td>
</tr>
</tbody>
</table>

Ethernet Ports x4 Pin Outs

<table>
<thead>
<tr>
<th>PIN</th>
<th>FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>RD+ / TD+</td>
</tr>
<tr>
<td>2</td>
<td>RD- / TD-</td>
</tr>
<tr>
<td>3</td>
<td>TD+ / RD+</td>
</tr>
<tr>
<td>4</td>
<td>NC</td>
</tr>
<tr>
<td>5</td>
<td>NC</td>
</tr>
<tr>
<td>6</td>
<td>TD- / RD-</td>
</tr>
<tr>
<td>7</td>
<td>NC</td>
</tr>
<tr>
<td>8</td>
<td>NC</td>
</tr>
</tbody>
</table>

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

Product Information

Product Weight  0.134 kg, 4.73 ounces
Product Dimensions  107x102x28 mm, 4.2x4.0x1.1 inches

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, METL
Complies with UL 60950-1

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 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