


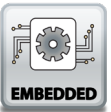


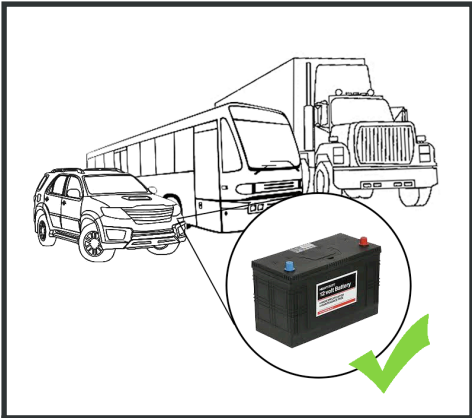
SW-115

EMBEDDED INDUSTRIAL 5 PORT GIGABIT ETHERNET SWITCH

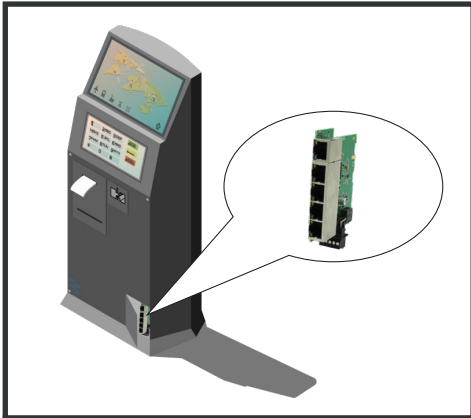
- 5 Gigabit Ethernet ports
- Wide voltage input range: +5V to +30V DC - can be powered by a variety of sources
- Industrial temperature range: -40°C to +80°C/-40°F to +176°F - works in extreme conditions
- Redundant dual power inputs - reduces risk of power outage
- Mounting holes in PCB



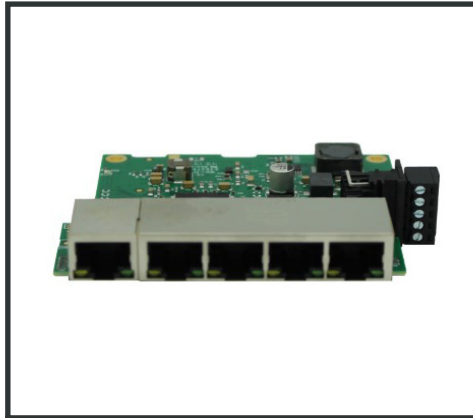
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+5 to +30 Volt power input enables the device to be run from a standard car battery - ideal for in vehicle applications



Ideal for mounting within passenger information terminals or kiosks



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

| | | | | | | | | | |
|--|---|---|---|---|--|---|---|---|---|
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|--|---|---|---|---|--|---|---|---|---|

SW-115

EMBEDDED INDUSTRIAL 5 PORT GIGABIT ETHERNET SWITCH

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 or 1000 Mbps

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



Easy Wire Removable screw terminal block

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

Connectors

| | |
|-----------------|---|
| Screw Terminals | 3.5mm pitch, #22 - #14, 0.5mm ² -2.5mm ² pin 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

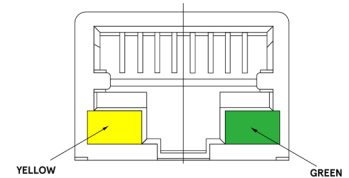
| | |
|--------------------|---|
| Power Consumption | 3.6W Max: 720mA@+5VDC/120mA@+30VDC |
| Power Supply input | Unregulated +5V to +30Volts DC, reverse polarity protection |
| Isolation | 1500VRMS magnetic isolation from Ethernet |

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 |
| Speed LED | Yellow | 1 Gbs |
| | Green | 100Mbps |
| | Both | 10Mbps |



Ethernet

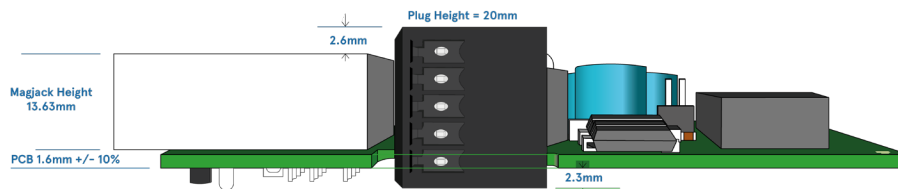
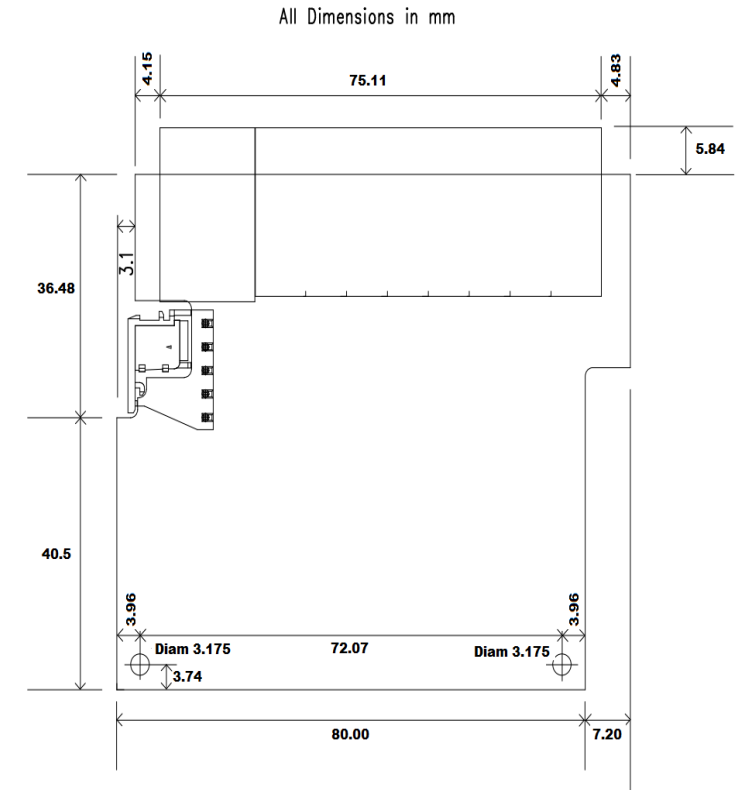
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|---------------|--|
| Ethernet Port | 5 x RJ45 jack, 10/100/1000Mbps autosensing, crossover auto sensing (Auto MDIX) |
|---------------|--|

| | |
|------------|--|
| 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-115

EMBEDDED INDUSTRIAL 5 PORT GIGABIT ETHERNET SWITCH



Power Terminal Pin Outs

| PIN | FUNCTION |
|-----|------------------|
| 1 | -V |
| 2 | +VA |
| 3 | +VB |
| 4 | -V |
| 5 | 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-115

EMBEDDED INDUSTRIAL 5 PORT GIGABIT ETHERNET SWITCH

Packaging Information

| | |
|---------------------|--|
| Packaging | Quick Start Guide |
| Device | Embedded Industrial 5 Port Gigabit Ethernet Switch |
| Packaged Weight | 0.088 kg, 3.10 ounces |
| Packaged Dims | 160x135x49 mm, 6.3x5.3x1.9 inches |
| GTIN Universal Code | 837324004304 |

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 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.



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