

## Features

- Hardened Industrial 16x 10/100 & 1x SFP Ethernet Switch
- Enhanced connectivity and flexibility: Higher port count enables flexible network layout and device placement
- SFP uplink supports fibre optic connectivity
- SFP Port Power Overcurrent protection: ensures compatibility with existing fibre optic infrastructure for seamless integration
- Integrated DIN-rail mount with grounding - includes MK-103 DIN Rail clip for mounting options: 2 different heights and 180° rotation
- Wide voltage input range (+5V to +30VDC) and dual redundant power inputs - ensures reliability and reduces the risk of power outages
- Industrial hardened enclosure and wide operating temperature range (-40°C to +80°C / -40°F to +176°F) - reliable operation in harsh environment

## Hardened Industrial 16x 10/100 & 1x SFP Ethernet Switch

RS Stock No.: 0180410



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

## Product Description

- Hardened Industrial 16x 10/100 & 1x SFP Ethernet Switch – SFP uplink supports fibre optic connectivity, overcoming distance limitations of copper Ethernet cables and enabling communication between remote devices and control systems.
- 16x Fast Ethernet 10/100 ports provide ample connectivity for expanding industrial automation networks without compromising performance.
- Extend network reach and reliability by integrating fibre optic uplinks to connect equipment across large production areas/multiple manufacturing floors.
- Wide voltage input range (+5V to +30VDC) and dual redundant power inputs ensure reliability and reduce the risk of power outages.
- Hardened industrial design and wide temperature range of -40°C to +80°C (-40°F to 176°F) for reliable operation in challenging environments, minimising the risk of downtime due to environmental factors.

## General Specifications

|                             |   |
|-----------------------------|---|
| Switch Type                 | Ethernet; Unmanaged Switch                                    |
| Number of Ports             | 16  |
| Protocol Type               | Ethernet 10/100Mbps   |
| Transmission Length         | 100m  |
| Transmission Speed          | 10/100Mbit/s  |
| RJ45 Ports                  | 16  |
| Number of Fibre-Optic Ports | 1   |
| Housing                     | Metal with DIN Rail Mounting Clip                             |
| LED Indicators              | Link/Activity; Port Speed; Power                              |
| For Use With                | Control Cabinets; Ethernet Network; DIN Rail Control Cabinets |

## Electrical Specifications

|                        |  |
|------------------------|--|
| Maximum Supply Voltage | 30VDC  |
| Nominal Supply Voltage | 5 to 30VDC                                     |
| Minimum Supply Voltage | 5VDC   |
| Power Consumption      | 7.5W   |
| Electrical Connection  | Screw Terminal 5 pin 3.5mm pitch AWG #28 - #16 |
| MTBF                   | 750,000 hours                                  |

## Mechanical Specifications

|            |                   |
|------------|-------------------|
| Mounting   | DIN-Rail          |
| Dimensions | 108 x 180 x 43 mm |
| Depth      | 108mm             |
| Height     | 180mm             |
| Width      | 43mm              |
| Weight     | 640g              |

## Operation Environment Specifications

|                               |                            |
|-------------------------------|----------------------------|
| Maximum Operating Temperature | 80°C                       |
| Minimum Operating Temperature | -40°C                      |
| Storage Temperature           | -40 to 80°C (-40 to 176°F) |
| Relative Humidity             | 10% to 95% non-condensing  |

## Protection Category

|           |      |
|-----------|------|
| IP Rating | IP20 |
|-----------|------|

## Approvals

|                           |  |
|---------------------------|--|
| Compliance/Certifications | CE, UKCA, METL Complies with UL62368-1 |
| Declarations              | RoHS, REACH, WEEE                      |

## Similar Products

| Parameters                    | 0180407  | 0180408         | 0180410      | 0180411        |
|-------------------------------|--|-----------------|--------------|----------------|
| Brand                         | RS PRO   | RS PRO          | RS PRO       | RS PRO         |
| Switch Type                   | Unmanaged  | Unmanaged       | Unmanaged    | Unmanaged      |
| Number of Ports               | 16   | 14 + 2x 1G      | 16 + 1SFP    | 14+2x1G+1SFP   |
| Protocol Type                 | Ethernet   | Ethernet        | Ethernet     | Ethernet       |
| Transmission Length           | 100m   | 100m            | Upto 10km    | Upto 10km      |
| Transmission Speed            | 10/100Base-T                                       | 10/100 1G Trunk | 10/100 + SFP | 10/100+1G+ SFP |
| RJ45 Ports                    | 16   | 14 + 2G         | 16           | 14             |
| Number of Fibre-Optic Ports   | 0  | 0               | 1            | 1              |
| Port Selection                |  |                 |              |                |
| Housing                       | Metal  |                 |              |                |
| LED Indicators                | Yes  |                 |              |                |
| Maximum Supply Voltage        | 30 V DC  |                 |              |                |
| Nominal Supply Voltage        | 5 to 30 VDC  |                 |              |                |
| Minimum Supply Voltage        | 5 V DC   |                 |              |                |
| Power Consumption             | 3.8W   | 6W              | 7.5W         | 7.5W           |
| Electrical Connection         | Screw Terminal 5 pin 3.5mm pitch AWG #28 - #16     |                 |              |                |
| MTBF                          |  |                 |              |                |
| Mounting                      | Dual position Din Rail Mount                       |                 |              |                |
| Dimensions                    |  |                 |              |                |
| Depth                         | 102  | 108             | 108          | 108            |
| Height                        | 158  | 180             | 180          | 180            |
| Width                         | 43   | 43              | 43           | 43             |
| Weight                        | 530g   | 640g            | 640g         | 640g           |
| Maximum Operating Temperature | +80°C  |                 |              |                |
| Storage Temperature           | +80°C  |                 |              |                |
| Relative Humidity             | 5 to 95% (non-condensing)                          |                 |              |                |
| Compliance/Certifications     | WEEE, RoHS, CE, UKCA, METL Complies with UL62368-1 |                 |              |                |