

# MachineLink Ethernet Switch

Flexible IoT communications

**Vodafone**  
Power to you



The Vodafone MachineLink Ethernet Switch (NWL-04) is an ideal accessory to our range of devices.

## What it does

Designed and built to perform well in harsh environments, the NWL-04 ensures reliable local connectivity for up to 4 Ethernet enabled devices.

The 4 port Gigabit Ethernet switch are noise and vibration resistant, features a wide operating temperature range, DC voltage power supply and multiple mounting options including wall mounting and DIN rail mounting.

## Key features

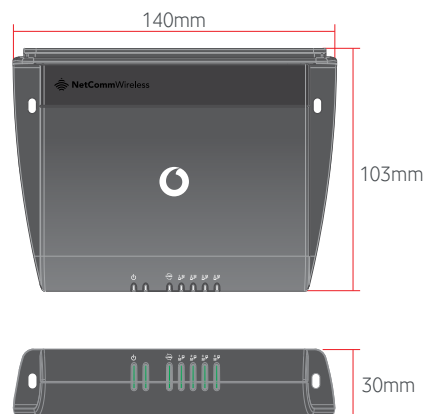
- 1 x Gigabit Ethernet (1,000Mbps) LINK port
- 4 x Gigabit Ethernet (1,000Mbps) LAN ports
- Industrial grade design
- 12 -30V DC Power Supply

## Package contents

### In the box:

- 1 x Vodafone MachineLink Ethernet Switch
- 1 x Short yellow Ethernet jumper cable
- 1 x DC power jumper cable
- 1 x Two-way terminal block
- 1 x Quick start guide and safety manual
- 1 x Flat dual joiner bracket
- 1 x DIN rail mounting bracket

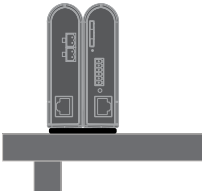
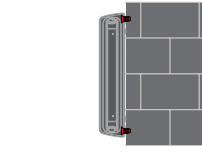

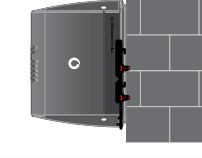
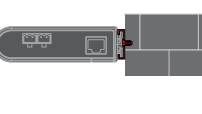


## Weight and dimensions



Weight: 176g

## Mounting options

The Vodafone MachineLink Ethernet Switch can be installed quickly and easily in a variety of locations.

Description	
<b>Option 1</b> Desk mount using joiner bracket	
<b>Option 2</b> Flat against the wall	
<b>Option 3</b> Perpendicular to the wall	
<b>Option 4</b> Via DIN rail bracket	
<b>Option 5</b> C Section DIN rail onto a rail	
<b>Option 6</b> Top hat DIN rail mounting using DIN rail bracket	
<b>Option 7</b> Desk mount	

## Technical specifications

### Hardware platform

- 10/100/1000Base-T IEEE 802.3 compliant

### Software platform

- Un-managed switch

### Operating system

- PSOC4 (C48C4013SX1-411).

### Connectivity

- 4 x 10/100/1000 Base-T Ethernet RJ45 ports with Auto MDIX
- 1 x 10/100/1000 Base-T Ethernet RJ45 LINK port

### Led indicators

- 6 x Green LEDs. Power, LINK and 4 x Ethernet connectivity indicators on the front panel

### Temperature & humidity

- Operating Temperature Range: -40°C to +85°C

### Environmental conditions

- Operating Humidity 0-95% (RH)
- Storage Humidity 0-95% (RH)
- Ingress Protection rating (IP41)

### Power supply

- 12 - 30 VDC (ISO7637 compliant)
- Field terminable power input via screw clamp terminal block (Included)
- Recommended DC supply via terminal block (12V 2A)
- Dedicated output power connection via screw clamp terminal block connector for piggy-backing connection with another Vodafone MachineLink device

### Dimensions & weight

- Device dimensions: 140mm (L) x 103mm (W) x 30mm (D) / 176g

### Mounting options

- Wall mount support in multiple orientations via embedded mounting holes
- DIN Rail mount via a single DIN/C-rail clip.
- Standalone mounting via a joining bracket to keep two products together for easy installation.

### Certifications

- CE (Europe)
- IC (Canada)
- FCC (USA)
- RCM (Australia)
- ICASA (South Africa)

Only Vodafone can offer you a complete M2M solution on a global scale.

For more information about our M2M solutions, please contact your Vodafone account manager, email. [IoT@vodafone.com](mailto:IoT@vodafone.com), or visit <http://www.vodafone.com/business/m2m>