

Ethernet Switch 8x 10/100Mbps PoE+ with 2 Gigabit uplinks. - DIN-rail mountable

ABI-EL4008SPE



- ✓ Internet of things PoEplus switch
- ✓ Full IEEE 802.3 af/at Power-over Ethernet Plus compliance
- ✓ DIN-rail mount, horizontal mount, vertical mount
- ✓ Outstanding Cooling and EMC protection
- ✓ Long lifetime



This highly specified IoT "Internet of Things" 8 port PoE+ Fast Ethernet switch with 2 Gigabit Ethernet uplinks filters and forwards packets at full wire-speed for top performance. The ports automatically recognise all attached network equipment and choose the highest possible bit rate (10 or 100 Mbps) and transmission mode for each equipment. Standards-based flow control takes care of flawless Full Duplex and Half Duplex transmission modes. The auto MDI/MDIX function eliminates the need (and risk of errors) for crossover patch cords.

8 Power Source Equipment Fast Ethernet ports provide 48V power to attached Powered Devices (max. 30W/port, max. 120W total)

2 Gigabit Ethernet uplinks are provided to attach the switch to a rapid backbone.

The switch can be set to automatic VLAN-mode by toggling a rear-panel switch. In this mode each of the 8 PoE+ ports only communicates with the uplinks, but the PoE ports do not communicate between each other. This is an easy feature to ensure confidentiality between attached devices.

This "Internet of Things" switch is eminently suited to power standard-compliant cameras, WiFi access points, card readers, access control & doorlock systems, sensor acquisition modules, etc.

The switch comes in a new flatpack Aluminium housing which provides eminent cooling and ESD protection.

The switch is designed to our VertiGo principle: it can be mounted horizontal (shelf), vertical (wall, DIN rail) or at a 45° angle (DIN rail) by means of the ingenious D-clip.

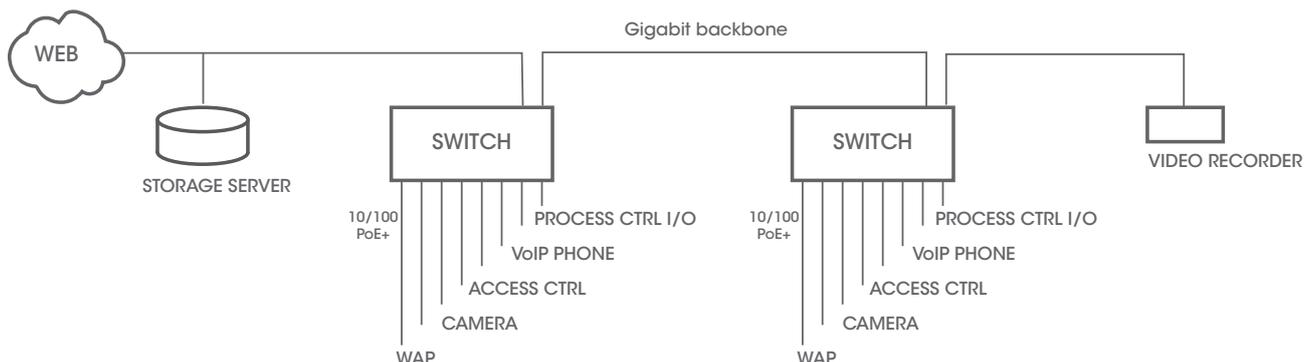
The PoE 120W power supply ABI-PS4053S25 is included in the package.

CHARACTERISTICS

- 8 ports 10/100 Mbps with PoE+ PSE output
- 2 uplink ports 10/100/1000Mbps
- MDI/MDIX
- Auto sense/auto negotiate
- 53V power supply (ABI-PS4053S25) included
- DIN-rail mount - 12 std positions wide
- Power drain max: 120W

standards compliant:

- IEEE 802.3i/u/ab
- IEEE 802.3 az ; 802.3 az az Energy Efficient Ethernet
- ESD IEC61000-4-2: 1a touch discharge level3, 1a air discharge level3
- IEEE 802.3 af/at PoE Plus



Specifications are subject to change without notice.

OPERATION



PoE+ Fast Ethernet ports

yellow LED

On: PoE device connected

Off: No PoE device recognized

green LED

On: Ethernet device connected

Off: No device connected

Blinking: Network traffic indicator

Uplink Gbit Ethernet ports

yellow LED (traffic speed)

On: 1000 Mbps

Off: 10/100 Mbps

green LED

On: Ethernet device connected

Off: No device connected

Blinking: Network traffic indicator

RESET: use the reset button if the switch doesn't react or is not working properly.

The PoE power will not be switched off, only the network activity will be temporarily interrupted.

Resetting the device by interrupting the power supply will cause all the attached PoE devices to restart.

Auto VLAN function

VLAN On (LED is on): A VLAN is automatically created between the PoE ports and the uplink ports. Network traffic is only possible between the PoE and uplink ports. Communication between the PoE ports themselves is not possible.

VLAN Off: Normal use of the switch without extra VLAN's
Caution: You need to push the RESET button after altering the position of this switch

The PoE switch doesn't need to be configured to connect the attached devices. Nevertheless it might be necessary to configure the devices themselves to set up a dialogue between them.

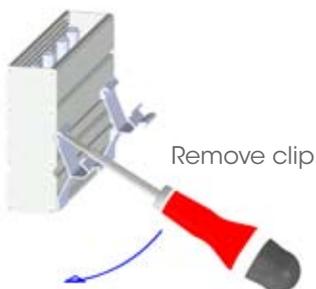
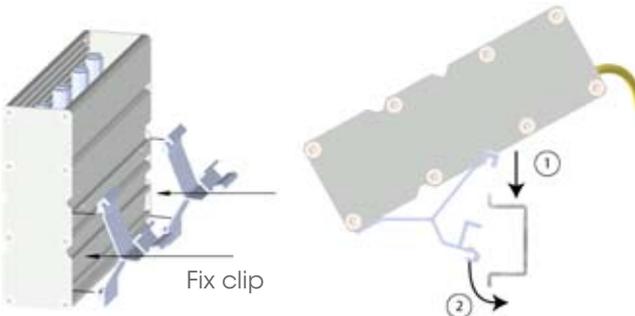
The overall power on the PoE ports is limited to 120W. Each individual PoE port has a maximum power of 30W.

It is important to respect the total and individual power limits of the switch to avoid network problems and equipment faults! Damage caused by overload will not be treated under warranty.

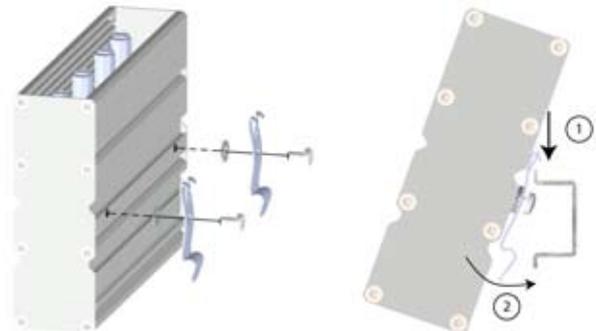
Only use the power supply (nominal 53 VDC/2,5A) that came with the switch, or an equivalent proposed by Abitana,

VertiGo MOUNTING

45° DINrail



Vertical DINrail (optional)



Horizontal

