Item no.: EP-S16

EP-S16-EU - Intelligent WISP Control Point with FiberProtect(TM)

from **460,15 EUR**

Item no.: EP-S16
shipping weight: 5.50 kg
Manufacturer: Ubiquiti

Product Description

EP-S16 - Intelligent WISP Control Point with FiberProtect(TM)

- Weatherproof Enclosure for Outdoor Use
- Powerful Routing or Switching Features
- Fiber Backhaul Capability

introduces the EdgePoint(TM), part of the EdgeMAXplatform. The first application-specific designed WISP control point, the EdgePoint combines EdgeMAX routing features with fiber backhaul and versatile powering capabilities. The EdgePoint is available in three models:

- EP-R6: Layer-3 router
- EP-R8: Layer-3 router
- EP-S16: Layer-2 switch with some layer-3 capabilities

Breakthrough in Tower DeploymentThe EdgePoint features FiberProtect to significantly reduce electrostatic discharge (ESD) failures and electromagnetic interference (EMI), greatly improve data signal integrity, and consolidate the wired data backhaul to a single fiber cable run for long-distance connectivity.All-in-One DesignA single, compact controller efficiently eliminates clutter, expensive cabinets, extraneous installations, and excessive maintenance.Robust ConstructionThe ruggedized case withstands outdoor conditions, including wind, rain, and snow. The included cable sleeve protects the cables and cable opening. If you prefer, you can swap it out for your own conduit.Advanced ApplicationsFor the EP-R6 and EP-R8, powerful routing features – such as load balancing and failover – provide redundancy and increased performance for outdoor wireless links. For the EP-S16, layer-2 link aggregation provides similar redundancy and increased performance benefits.Versatile Power OptionsPowered by 54 V DC or by PoE, the EP-R8 and EP-S16 can support 54 or 24 V passive PoE to power all products, including airFiber and airMAX. Powered by 24 V DC or by PoE, the EP-R6 can support 24 V passive PoE to power most products.Intuitive User InterfaceThe EdgePoint features a graphical user interface designed for convenient setup and control. Accessed via a network port and web browser, the user-friendly interface provides intuitive management with a virtual view of the ports, displaying physical connectivity, speed, and status. Depending on whether you are configuring a router (EP-R6 or EP-R8) or switch (EP-S16), the configuration interface will differ.Routing ConfigurationThe EP-R6 or EP-R8 offers robust features, including:

- VLAN interfaces for network segmentation
- Static routes and support of routing protocols: OSPF, RIP, and BGP
- Firewall policies and NAT rules
- Application identification with Deep Packet Inspection (DPI)
- DHCP services
- Quality of Service (QoS)
- Network administration and monitoring tools
- Administrator and operator accounts
- Comprehensive IPv6 support

Switching ConfigurationThe EP-S16 provides advanced features, including:

- MSTP/RSTP/STP
- VLAN, Private VLAN, Voice VLAN
- Link Aggregation
- DHCP Snooping, IGMP Snooping
- TACACS+, RADIUS, 802.1X, MAC Filtering, ACL
- DiffServ, CoS
- Static Routing, Policy-Based Routing

Configuration by CLIThe CLI provides quick and flexible configuration by command line and features the following:

- For power users, configuration and monitoring of all advanced features
- Direct access to standard Linux tools and shell commands (EP-R6 or EP-R8 only)
- CLI access through the following:
  - Serial console port (EP-R8 or EP-S16 only)
  - SSH
  - Telnet
  - Graphical user interface (EP-R6 or EP-R8 only)

Hardware OverviewThe EP-S16 features 16 RJ45 Ethernet ports and two SFP+ ports. Bottom Panel

- Power Options:
  - 54 V DC, 6 A Terminal Block
  - Dual PoE Input
- (1) Console Port
- Data Ports:
  - (16) RJ45 Ports
  - (2) SFP+ Ports

Sixteen RJ45 ports support PoE:

- PoE Input or Output
  - (2) Ports with Two Options:
    - 54 V, 1.5 A Passive PoE Inputor
    - 54 or 24 V, 1.4 A Passive PoE Output
- PoE Output
  - (2) 54 or 24 V, 1.4 A Passive PoE Output Ports
  - (12) PoE+ or 24 V, 0.7 A Passive PoE Output Ports

Cabling Protection

- FiberProtect Strain Relief for Fiber Optic Strands
- Cable Sleeve and Option for Conduit (Not Included)
- Cable Tie Slots (Cable Ties Not Included)

Back Panel

- Lanyard Loop for Ease of Installation
- Slot for PicoStationM2HP (Not Included) to Allow for Wireless Management
- Pole Mount Bracket (Wall Mount Bracket Also Included)
- Ground Bonding Point

- Dimensions: 326.6 x 382.7 x 88.8 mm (12.86 x 15.07 x 3.50")
  - With Wall Mount: 326.6 x 382.7 x 105.5 mm (12.86 x 15.07 x 4.15")
- Weight: 3.4 kg (7.50 lb)
  - With Wall Mount: 3.8 kg (8.38 lb)
- Max. Power Consumption: 40 W (excludes PoE Output)
- Power Input:
  - (1) DC Terminal Block or
  - (2) RJ45 (Ports 1 and 2)
  - (Self-Correcting Polarity Protection on DC Terminal Block Only, Diode ORed Protection on All Power Inputs)
- Power Supply: Min. 54 V / 0.8 A (excludes PoE Output Power)
- V DC Input: 54 V DC, 6 A
- Passive PoE Input:
  - (2) 54 V/1.5 A, 4-Pair (+1, 2, 4, 5; -3, 6, 7, 8) Passive PoE, Ports 1 and 2
  - (Do NOT Configure Port 1 or 2 in PoE Output Mode if You Are Using PoE Input Power Sources.)
- Passive PoE Output:
  - (4) 54 V or 24 V /1.4 A, 4-Pair (+1, 2, 4, 5; -3, 6, 7, 8) Passive PoE, Ports 1 to 4
  - (12) 802.3af/at or 24 V/0.7 A, 2-Pair (+4, 5; -7, 8) Passive PoE, Ports 5 to 16
- Power Monitoring
  - (1) DC Terminal Block, Input Power
  - (2) RJ45, Ports 1 and 2, PoE Input or Output Power
  - (14) RJ45, Ports 3 to 16, PoE Output Power
- Supported Voltage Range: 56 to 42 V DC
- Button: Reset
- LEDs:
  - System: Power
  - 1 to 16: Speed/Link/Activity, PoE
  - SFP: Speed/Link/Activity
- Ports:
  - Serial Console Port: (1) RJ45 Serial Port
  - Data Ports:
    - (16) 10/100/1000 RJ45 Ports
    - (2) 1/10 Gbps SFP+ Ports
- Processor: ARM Cortex-A9 400 MHz
- System Memory: 256 MB DDR3 RAM
- Code Storage: 32 MB
- Certifications: CE, FCC, IC
- Pole/Wall Mount: Yes
- Operating Temperature: -20° C to 65° C (-4° F to 149° F)
- Operating Humidity: 10 to 90% non-condensing

Specifications