

WebiSmarts System

POE Network Switch CAT: BAK-3816

Radiation Detection Division

WebiSmarts is a web based software package which receives online radiation data from DPU3- Area Monitors which are strategically installed throughout the cyclotron lab. Users can access Maps showing radiation levels on color coded Points thus presenting a detailed yet concise radiological map.

All the data is fed through the Ethernet to a Computer via a Cisco network Switch. We offer a number of sizes to match the requirements of your site. The most popular is the...

Cisco Catalyst 3560-CX 8-Port POE IP Base

The Cisco Catalyst 3560-CX series compact switches help optimize network deployments. These Gigabit Ethernet (GbE) managed switches are ideal for high-speed data connectivity, Wi-Fi back haul, and Power over Ethernet (PoE) connectivity in places where space is at a premium. Catalyst compact switches enable IP connectivity for devices such as IP phones, wireless access points, surveillance cameras, PCs, and video endpoints. With their quiet, fan-less design and compact footprint, these switches offer flexible mounting options and open up a variety of network design and connectivity options.



The POE Switch above is capable of providing power to 8 DRM-3 Meters simultaneously. This means a single switch can support up to 32 gamma/neutron detectors (8 x internal and 24 external detectors) and 8 x flow meters.

Note that a DPU-3 with flow meter should be connected to external power and not rely on the POE because a lot of current is required upon power-up the filament.

FEATURES:

Gigabit copper Small Form-Factor Pluggable (SFP) or 10G SFP+ uplinks.

Power over Ethernet Plus (PoE+) support with up to 240W of PoE budget.

Advanced Layer 2 (LAN Base) and Layer 3 (IP Base) support with an option to upgrade to IP Services.

Perpetual PoE for powering a powered device even when the device is booting.

Cisco Catalyst Instant Access (optional with 10G) for management simplicity.

Network plug-and-play (PnP) support for automating device configuration.

Cisco TrustSec capability for role-based access security.

Innovative power management features, including Energy Efficient Ethernet and switch hibernation mode.

NetFlow Lite for application visibility at the access network.

Technical Data

Actual Weight: 2.26 Kg (5lbs)

Connectivity: # Ports: 8

RAM: 512MB

Memory Notes: 512 MB RAM, 128 MB Flash

O/S Notes: Software Included: Cisco IOS IP Base

Physical Dimensions: 4.3 cm H, 27 cm W, 23.8 cm D (1.7 " H, 10.6" W, 9.4" D)

Ports/Connectors: 8 x RJ-45 POE + 2 x SFP

Power Consumption: 25.4 W (typ.)

Protocols: Networking Protocol: IEEE 802.1D, IEEE 802.1p, IEEE 802.1Q, IEEE 802.1S (MSTP), IEEE 802.1w (RSTP), IEEE 802.1x, IEEE 802.3, IEEE 802.3ab, IEEE 802.3af (PoE), IEEE 802.3u, IEEE 802.3x, IEEE 802.3z, PoE+, RIP
Remote Management Protocol: HTTP, RMON 1, RMON 2, SNMP 1, SNMP 2c, SNMP 3, Telnet
Routing Protocol: RIP-1, RIP-2, Static IP routing

Compliant Standards: Compliant Standards: CUL, FCC Class A certified, FCC Part 15, UL

UNSPSC: 43222612

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