C62 Ceiling PoE Line

L2 PRO Ceiling bt PoE Switches

Plug & Play

Full Ports Gigabit

bt / at PoE

12V/24V DC Output

AETEK's managed C62-050-030 Ceiling PoE Switch line with one PoE PD input port, five PoE PSE outport ports, and visible LED indicator benefits from low-cost installation quick diagnostic, and low-voltage safety DC power deployment. C62-050-30-B unparalleled daisy-chain PoE feature extends long range PoE up to 300m over cat 5e/cat 6 cable without extra AC/DC power adapter in ceiling. Furthermore C62-050-30-B provides DC 12V & DC 24V output for DC device.
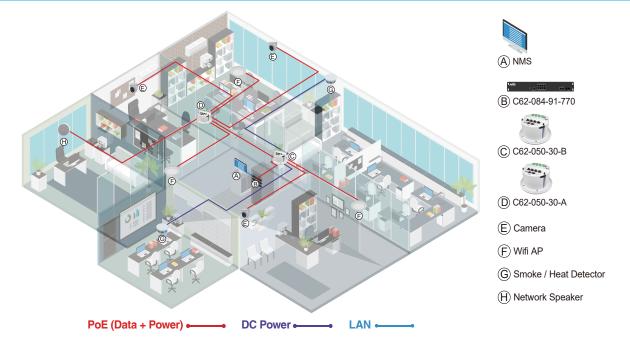
Besides a managed C62 Ceiling PoE line is also an IP camera / wifi ap / network speaker / other IP device controller specially designed for easy overview & management, even if installers is not familiar with advanced software of Managed PoE switch. A centralized Web GUI (Graphic User Interface) makes it easy to find IP camera / wifi ap / network speaker / other IP device and generate topology automatically once IP camera / wifi ap / network speaker / other IP device are connected to C62 Ceiling PoE series. Meanwhile, installers can easily catch comprehensive individual IP camera / wifi ap / network speaker / other IP device information including device list, IP/MAC address, topology, power consumption, and traffic monitoring thru web browser.
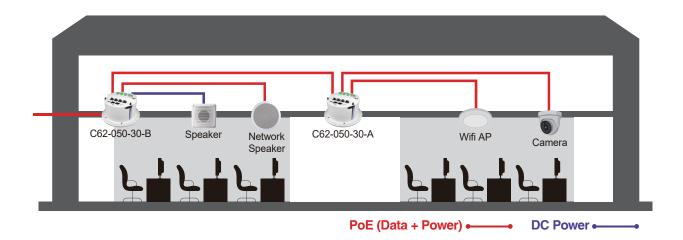
Features

- No costly electrical installation required
- Eliminating conventional electrical supply reducing the fire event in the ceiling
- No need to switch off the power anywhere when PoE or non-PoE device is expanded or changed in ceiling
- Layer 2 Switch
  - 802.1d (STP), 802.1w (RSTP), 802.1s (MSTP)
  - Loop protection
  - SNMP v1/v2c/v3
  - QoS
  - VLAN

- Network Topology System
  - Automatic discovery for ONVIF camera
  - Generates camera topology map automatically
  - Cable diagnostic & reboot camera remotely
  - PoE management
  - Topology view / Floor view
  - Monitor / Configure / Manage ONVIF camera thru web
- Supports 10/100/1000Mbps data rates
- Support Auto-MDI/MDIX
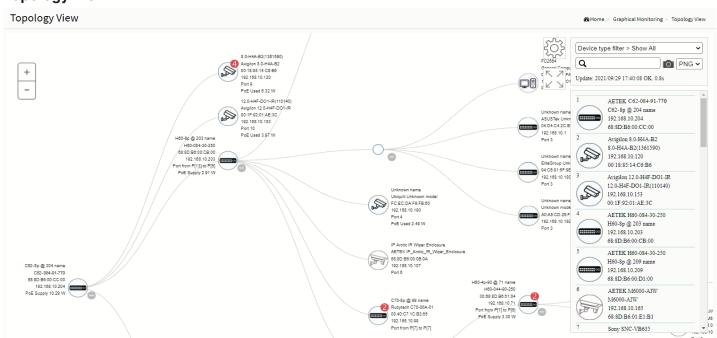- IEEE 802.3az Energy Efficient Ethernet standard for green power

Applications

- (A) NMS
- (B) C62-084-91-770
- (C) C62-050-30-B
- (D) C62-050-30-A
- (E) Camera
- (F) Wifi AP
- (G) Smoke / Heat Detector
- (H) Network Speaker

PoE (Data + Power) ●—— **DC Power** ●—— **LAN** ●——

Applications

C62-050-30-B Speaker Network Speaker C62-050-30-A Wifi AP Camera

PoE (Data + Power) ● ——————— ●   **DC Power** ● ——————— ●

IP Camera Controller Features

Device List

Show 10 ⌄ entries   Search: _____

Status	Device Type	Model Name	Device Name	MAC	IP Address
🟢 Online	PoESW	C62-084-91-770	C62-8p @ 203 name	68:8D:B6:00:CB:00	192.168.10.203
🟢 Online	PoESW	H60-084-30-250	H60-8p @ 209 name	68:8D:B6:00:D1:00	192.168.10.209
🟢 Online	IPMX	M6000-AIW	M6000-AIW	68:8D:B6:01:E1:B1	192.168.10.165
🟢 Online	IP Camera	SNC-VB635	Sony	D8:D4:3C:DD:F5:C7	192.168.10.122
🟢 Online	IP Camera	WV-S1131	Panasonic_WV-S1131	BC:C3:42:71:79:D0	192.168.10.104
🟢 Online	IPSG	SD-504	SD-504	68:8D:B6:00:00:01	192.168.10.108
🟢 Online	PC	General Computer	FC2564	00:50:56:2D:FA:AC	192.168.10.201
🟢 Online	Others	Unknown model	Unknown name	04:D4:C4:2C:B5:EC	192.168.10.1
🟢 Online	Others	Unknown model	Unknown name	94:C6:91:5F:9E:EA	192.168.10.180
🟢 Online	PC	General Computer	MIS-TEMP-NB4	A0:A8:CD:26:FE:FD	192.168.10.192

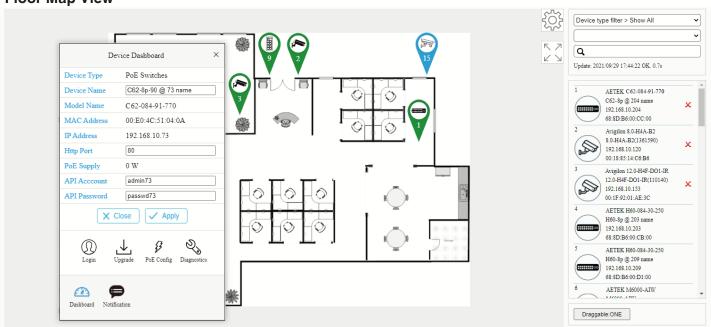Showing 1 to 10 of 29 entries   Previous 1 2 3 Next
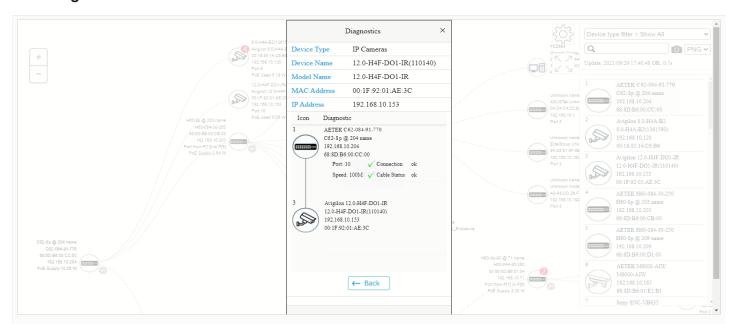
[Edit]

Topology View

Device Dashboard

Topology View

Device Dashboard

Device Type	IP Cameras
Device Name	12.0-H4F-DO1-IR(110140)
Model Name	12.0-H4F-DO1-IR
MAC Address	00:1F:92:01:AE:3C
IP Address	192.168.10.153
Http Port	80
PoE Used	4.21 W

✕ Close   ✓ Apply

Login   Diagnostics   PoE Reboot

Dashboard   Notification   Monitor

Device type filter > Show All

Update: 2021/09/29 17:38:58 OK. 0.9s

1 AETEK C62-084-91-770
   C62-8p @ 204 name
   68:8D:B6:00:CC:00

2 Avigilon 8.0-H4A-B2
   8.0-H4A-B2(1361590)
   192.168.10.120
   00:18:85:14:C6:B6

3 Avigilon 12.0-H4F-DO1-IR
   12.0-H4F-DO1-IR(110140)
   192.168.10.153
   00:1F:92:01:AE:3C

4 AETEK H60-084-30-250
   H60-8p @ 203 name
   192.168.10.203
   68:8D:B6:00:CB:00

5 AETEK H60-084-30-250
   H60-8p @ 209 name
   68:8D:B6:00:D1:00

6 AETEK M6000-AIW
   M6000-AIW
   192.168.10.165
   68:8D:B6:01:E1:B1

7 Sony SNC-VB635

Floor Map View

Device Dashboard

Device Type	PoE Switches
Device Name	C62-8p-90 @ 73 name
Model Name	C62-084-91-770
MAC Address	00:E0:4C:51:04:0A
IP Address	192.168.10.73
Http Port	80
PoE Supply	0 W
API Acccount	admin73
API Password	passwd73

✕ Close   ✓ Apply

Login   Upgrade   PoE Config   Diagnostics

Dashboard   Notification

Device type filter > Show All

Update: 2021/09/29 17:44:22 OK. 0.7s

1 AETEK C62-084-91-770
   C62-8p @ 204 name
   192.168.10.204
   68:8D:B6:00:CC:00   ✕

2 Avigilon 8.0-H4A-B2
   8.0-H4A-B2(1361590)
   192.168.10.120
   00:18:85:14:C6:B6   ✕

3 Avigilon 12.0-H4F-DO1-IR
   12.0-H4F-DO1-IR(110140)
   192.168.10.153
   00:1F:92:01:AE:3C   ✕

4 AETEK H60-084-30-250
   H60-8p @ 203 name
   192.168.10.203
   68:8D:B6:00:CB:00

5 AETEK H60-084-30-250
   H60-8p @ 209 name
   192.168.10.209
   68:8D:B6:00:D1:00

6 AETEK M6000-AIW
   M6000-AIW

Draggable:ONE

Cable Diagnostics

Diagnostics

Device Type	IP Cameras
Device Name	12.0-H4F-DO1-IR(110140)
Model Name	12.0-H4F-DO1-IR
MAC Address	00:1F:92:01:AE:3C
IP Address	192.168.10.153

Icon	Diagnostic
1	AETEK C62-084-91-770 C62-8p @ 204 name 192.168.10.204 68:8D:B6:00:CC:00

Port: 10   ✓ Connection   ok
Speed: 100M   ✓ Cable Status   ok

3 Avigilon 12.0-H4F-DO1-IR
   12.0-H4F-DO1-IR(110140)
   192.168.10.153
   00:1F:92:01:AE:3C

← Back

Device type filter > Show All

Update: 2021/09/29 17:40:48 OK. 0.7s

1 AETEK C62-084-91-770
   C62-8p @ 204 name
   192.168.10.204
   68:8D:B6:00:CC:00

2 Avigilon 8.0-H4A-B2
   8.0-H4A-B2(1361590)
   192.168.10.120
   00:18:85:14:C6:B6

3 Avigilon 12.0-H4F-DO1-IR
   12.0-H4F-DO1-IR(110140)
   192.168.10.153
   00:1F:92:01:AE:3C

4 AETEK H60-084-30-250
   H60-8p @ 203 name
   192.168.10.203
   68:8D:B6:00:CB:00

5 AETEK H60-084-30-250
   H60-8p @ 209 name
   192.168.10.209
   68:8D:B6:00:D1:00

6 AETEK M6000-AIW
   M6000-AIW
   192.168.10.165
   68:8D:B6:01:E1:B1

7 Sony SNC-VB635

Technical Specifications - Software

IP Surveillance Graphical User Interface Specifications	
Auto Discovery	Discover IP cameras complying ONVIF automatically
Topology View	Generate Topology maps to manage IP cameras
Traffic Monitor	Comprehensive chart to show traffic status
Cable Diagnostic	Real time to verify the cable status
PoE Management	Reboot IP camera, alive checking, PoE configuration, PoE status, Link status
PoE Management	
Port Configuration	Supports per port PoE configuration function
PoE Scheduling	Supports per port PoE scheduling to turn on/off the PoE devices (PDs).
Auto-checking	Check the link status of PDs. Reboot PDs if there is no responses
Power Delay	The switch provides power to the PDs based on delay time when PoE switch boots up, in order to protect switch from misuse of the PDs.
Layer 2 Switching Specifications	
Spanning Tree Protocol (STP)	MAC Bridges Standard Spanning Tree 802.1d, Rapid Spanning Tree (RSTP) 802.1w, Multiple Spanning Tree (MSTP) 802.1s
IP/Mac Port Trunking	Link Aggregation Control Protocol (LACP) IEEE 802.3ad , Static aggregation.
VLAN	Supports up to 4K VLANs simultaneously (out of 4096 VLAN IDs), Port-based VLAN, 802.1Q tag-based VLAN
IGMP v1/v2 Snooping	IGMP limits bandwidth-intensive multicast traffic to only the requesters.
Layer 3 Switching Specifications	
DHCP Server	Assign IP to DHCP clients
Security	
Port Security	Locks MAC addresses to ports, and limits the number of learned MAC address
Storm Control	Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port
Loop Protection	To prevent unknown unicast, broadcast and multicast loops in Layer 2 switching configurations.
QoS	
Classification	Port based, 802.1p VLAN priority based
Bandwidth Control	Ingress policer, Egress shaping and rate control, Per port
Management software	
Port Mirroring	Traffic on a port can be mirrored to another port for analysis with a network analyzer or RMON probe. Up to N-1 (N is Switch's Ports) ports can be mirrored to single destination port. A single session is supported.
IEEE 802.1ab (LLDP)	Used by network devices for advertising their identities, capabilities, and neighbors on an IEEE 802ab local area network, Support LLDP-MED extensions
Web GUI Interface	Built-in switch configuration utility for browser-based device configuration
SNMP	SNMP version1, 2c, 3
Flow Control	The IEEE 802.3x standard for monitoring high speed switched networks. It gives complete visibility into the use of networks enabling performance optimization, accounting/billing for usage, and defense against security threats
Firmware Upgrade	Web browser upgrade HTTP and TFTP
NTP	Network Time Protocol (NTP) is a networking protocol for clock synchronization between computer systems over packet-switched
Other Management	System, HTTP, HTTPS, DHCP Client, Cable Diagnostics, Syslog, IPV4/IPV6 Management

Technical Specifications-Hardware

	C62-050-30-A	C62-050-30-B
Network Specifications		
GbE PoE PSE Ports	1 x bt PoE Output 4 x at PoE Output	1 x bt PoE Output 4 x at PoE Output
GbE PoE PD Port	1 x bt PD Input	1 x bt PD Input
Power Input	Class 8 bt PoE	Class 8 bt PoE
Daisy-Chain	-	Support
Forwarding Capacity	8.928Mpps	8.928Mpps
Mac Table	8 K	8 K
Jumbo Frames	9,216 Bytes	9,216 Bytes
Switching Capacity	12 Gbps	12 Gbps
Power Output	12VDC/2.5A x 1, 2Pin Terminal Block 24VDC/1.25A x 1, 2Pin Terminal Block	12VDC/2.5A x 1, 2Pin Terminal Block 24VDC/1.25A x 1, 2Pin Terminal Block
Reset Button	Support	Support
DIDO	1/1, 2x 2Pin Terminal Block	1/1, 2x 2Pin Terminal Block
LED Indicator	SYS, PWR, LAN, PoE, 12VDC, 24VDC, DI, DO	SYS, PWR, LAN, PoE, 12VDC, 24VDC, DI, DO
Mechanical Specifications		
Dimensions	H90×φ185.16 mm	H90×φ185.16 mm
Recommended ceiling opening	φ150 mm	φ150 mm
Recommended ceiling thickness	5 to 45 mm	5 to 45 mm
Case material	PC	PC
Weight	1KG	1KG
Environmental Specifications		
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	0°C ~ 50°C (32°F ~ 122°F)
Storage Temperature	-20°C ~ 70°C (-4°F ~ 158°F)	-20°C ~ 70°C (-4°F ~ 158°F)
Operating Humidity	10% to 90% non-condensing	10% to 90% non-condensing
Certifications		
EMC	CE, FCC, VCCI, C-Tick	CE, FCC, VCCI, C-Tick

Ordering Information

Ceiling PoE Line	
	C62-050-30-A • 1xGbE bt PD PoE Input • 1xGbE bt PoE + 4xGbE at PoE PSE Output • 12V/24VDC Output
	C62-050-30-B • 1xGbE bt PD PoE Input • 1xGbE bt PoE + 4xGbE at PoE PSE Output • 12V/24VDC Output • Support Daisy-Chain

Related Product

L2 PRO bt PoE Switch Line	
	C62-044-91-380 • 4xGbE bt PoE + 2xGbE RJ45 + 2xGbE SFP Switch • 380W Power Budget
	C62-084-91-770 • 8xGbE bt PoE + 2xGbE RJ45 + 2xGbE SFP Switch • 770W Power Budget