C60 series

Indoor L2 PRO PoE Switches

802.1Q VLAN · **RING** · **DHCP Server** · **Network Topology** · **Onvif** · **Full Ports Gigabit** · **Fiber-Optical** · **30W PoE**
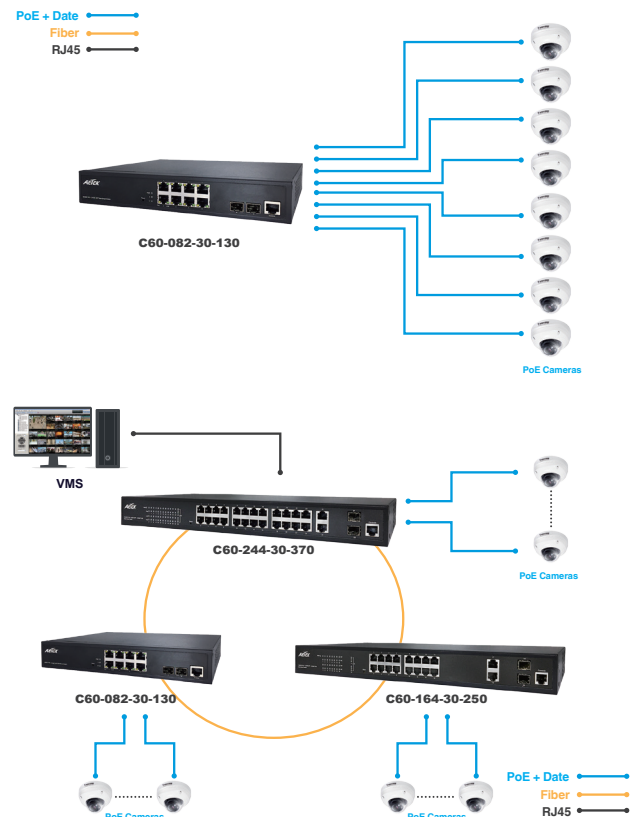
The C60 series from AETEK offers a broad range of NTS L2 **Managed PoE Switches**, equipped with multi-port Gigabit PoE (10M/100M/1G) and SFP transceiver (100M/1G) slots for flexible link. The C60 series has three sub-models including 8 ports, 16 ports, and 24 ports complying with IEEE 802.3af/at standards with sufficient PoE power budget for any application.

Besides a NTS L2 Managed PoE switch, C60 series is also an IP camera controller specially designed for easy overview & management of IP cameras complying with ONVIF, even if installers is not familiar with advanced software of NTS L2 Managed PoE switch. A centralized Web GUI (Graphic User Interface) makes it easy to find cameras and generate topology automatically once ONVIF IP cameras are connected to C60 series. Meanwhile, installers can easily catch comprehensive individual camera information including camera list, IP/MAC address, topology, power consumption, and traffic monitoring thru web browser.

Features

- Layer 2 Switch
  - 802.1d (STP), 802.1w (RSTP), 802.1s (MSTP)
  - Loop protection
  - SNMP v1/v2c/v3
  - QoS
  - VLAN
  - Ethernet cable length measurement
  - DHCP Server
- Network Topology System
  - Automatic discovery for ONVIF camera
  - Generates camera topology map automatically
  - Cable diagnostic & reboot camera remotely
  - PoE management
  - Topology view / Floor view / Google map
  - Monitor / Configure / Manage ONVIF camera thru web
- Flexible SFP transceiver ports for uplink
- 15.4W/30W per port IEEE802.3af/at compliant
- Supports 10/100/1000Mbps data rates
- Support Auto-MDI/MDIX
- Built-in 6KV surge protection for each PoE port
- IEEE 802.3az Energy Efficient Ethernet standard for green power
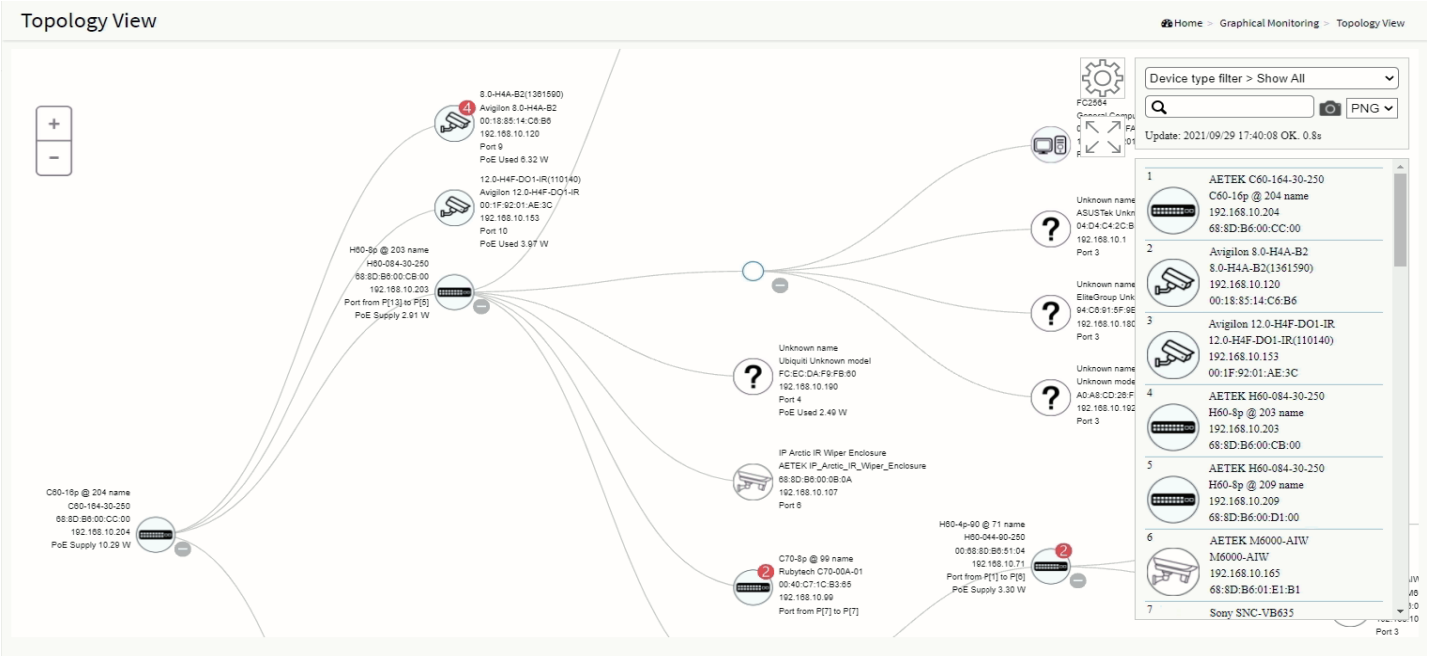- 19" Rackmount installation

Applications

IP Camera Controller Features

Device List

Show [10 ▼] entries   Search: [   ]

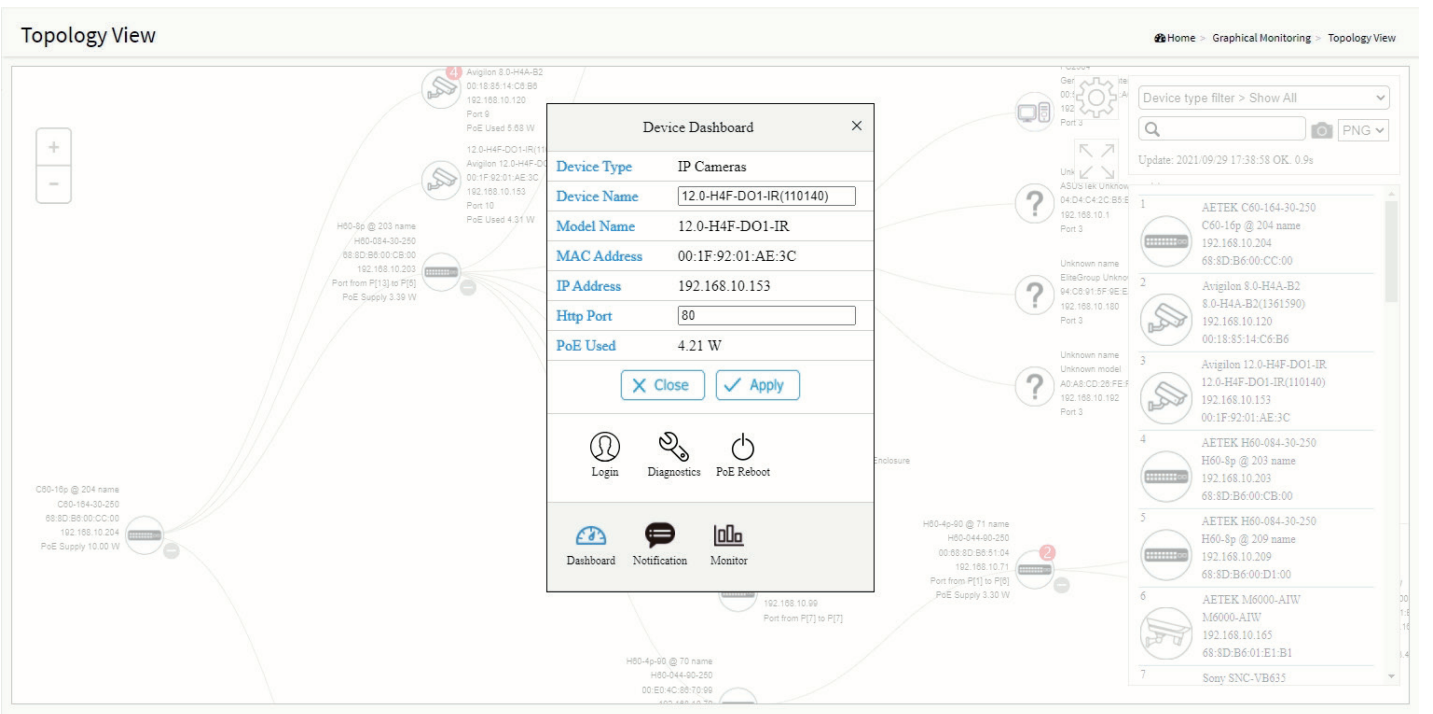| Status	Device Type	Model Name	Device Name	MAC	IP Address
● Online	PoESW	H60-084-30-250	H60-8p @ 203 name	68:8D:B6:00:CB:00	192.168.10.203
● Online	PoESW	H60-084-30-250	H60-8p @ 209 name	68:8D:B6:00:D1:00	192.168.10.209
● Online	IPMX	M6000-AIW	M6000-AIW	68:8D:B6:01:E1:B1	192.168.10.165
● Online	IP Camera	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

Floor Map View

Device Dashboard ✕

Device Type	PoE Switches
Device Name	H60-4p-90 @ 73 name
Model Name	H60-044-90-250
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

Q

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

1	AETEK C60-164-30-250 C60-16p @ 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	

Draggable:ONE

Google Map View

Map View   🏠 Home > Graphical Monitoring > Map View

Search Box

Device Dashboard ✕

Device Type	PoE Switches
Device Name	H60-8p @ 203 name
Model Name	H60-084-30-250
MAC Address	68:8D:B6:00:CB:00
IP Address	192.168.10.203
Http Port	80
PoE Supply	2.54 W
API Acccount	admin203
API Password	passwd203

✕ Close   ✓ Apply

Upgrade   PoE Config

Dashboard   Notification

地圖   衛星檢視

Device type filter > Show All

Q

Update: 2021/09/29 17:48:45 OK. 1.4s

1	AETEK C60-164-30-250 C60-16p @ 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	✕

Draggable:ONE   Animation:OFF

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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 C60-164-30-250 C60-16p @ 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

Q   📷   PNG ⌄

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

1	AETEK C60-164-30-250 C60-16p @ 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

	C60-082-30-130	C60-164-30-250	C60-244-30-370
Network Specifications			
Total Gigabit Ports	10	20	28
Gigabit PoE Port (10M / 100M / 1G) IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 803.3ab 1000BaseTX	8 x 30W PoE	16 x 30W PoE	24 x 30W PoE
Gigabit SFP Port	2	2	2
Gigabit RJ45 Port	-	2	2
Auto MDI / MDIX	v	v	v
1Gbps Full Duplex 100Mbps Full / Half Duplex 10Mbps Full / Half Duplex	v	v	v
Forwarding Capacity	14.88Mpps	26.784Mbps	38.688Mpps
Mac Table	8 k	8 k	8k
Jumbo Frames	9,216 Bytes	9,216 Bytes	9,216 Bytes
Switching Capacity	20 Gbps	40 Gbps	56 Gbps
Power Specifications			
Input Voltage	100VAC ~ 240VAC	100VAC ~ 240VAC	100VAC ~ 240VAC
Output Voltage Range /per PoE Port	54 VDC PoE IEEE 802.3af (Max. 15.4W) output PoE+ IEEE802.3at (Max. 30W) output	54 VDC PoE IEEE 802.3af (Max. 15.4W) output PoE+ IEEE802.3at (Max. 30W) output	54 VDC PoE IEEE 802.3af (Max. 15.4W) output PoE+ IEEE802.3at (Max. 30W) output
Power Budget	130W	250W	370W
Surge Protection / each PoE Port	6KV	6KV	6kV
Mechanical Specifications			
Dimensions (L x W x H)	270 x 180 x 44 mm	440 x 200 x 44 mm	440 x 200 x 44 mm
Weight	1.95KG	3KG	3.1KG
Environmental Specifications			
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)	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)	-20°C ~ 70°C (-4°F ~ 158°F)
Operating Humidity	10% to 90% non-condensing	10% to 90% non-condensing	10% to 90% non-condensing
Certifications			
EMC	CE, FCC, VCCI, C-Tick Class A	CE, FCC, VCCI, C-Tick Class A	CE, FCC, VCCI, C-Tick Class A
Safety	EN62368-1	EN62368-1	EN62368-1
Surge	IEC-61000-4-5	IEC-61000-4-5	IEC-61000-4-5

Ordering Information

PoE Switches		
C60-082-30-130 • 8xGbE PoE+2xGbE SFP • 100~240VAC	**C60-164-30-250** • 16xGbE PoE+2xGbE RJ45+2xGbE SFP • 100~240VAC	**C60-244-30-370** • 24xGbE PoE+2xGbE RJ45+2xGbE SFP • 100~240VAC

Optional Accessories

SFP Modules			
SFP-SX-X5 Gigabit SFP Transceiver • MMF • 0.5 km • 0°C ~70°C	**SFP-SX-02** Gigabit SFP Transceiver • MMF • 2 km • 0°C ~70°C	**SFP-LX-10** Gigabit SFP Transceiver • SMF • 10 km • 0°C ~70°C	**SFP-LX-40** Gigabit SFP Transceiver • SMF • 40 km • 0°C ~70°C