C60 10G Series

10G L2 PRO Managed Switch

C60-00B-01

C60-00F-01

802.1Q VLAN | **RING** | **DHCP Server** | **Network Topology** | **Fiber-Optical** | **Gigabit** | **10G**

The C60 10G series is Network Topology System 10G L2 Managed Switch, designed as a root switch to manage outdoor H60 series or industrial D60 series or indoor C60 series PoE Switch, enable them to the IP surveillance network. The C60 10G series provides 24-ports gigabit RJ45 with 4-ports 10G SFP+ or 12-ports 10G SFP+ model.

Besides a Network Topology System L2 Managed switch, C60 10G 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 Network Topology System L2 Managed 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 10G 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
- Support Auto-MDI/MDIX
- IEEE 802.3az Energy Efficient Ethernet standard for green power
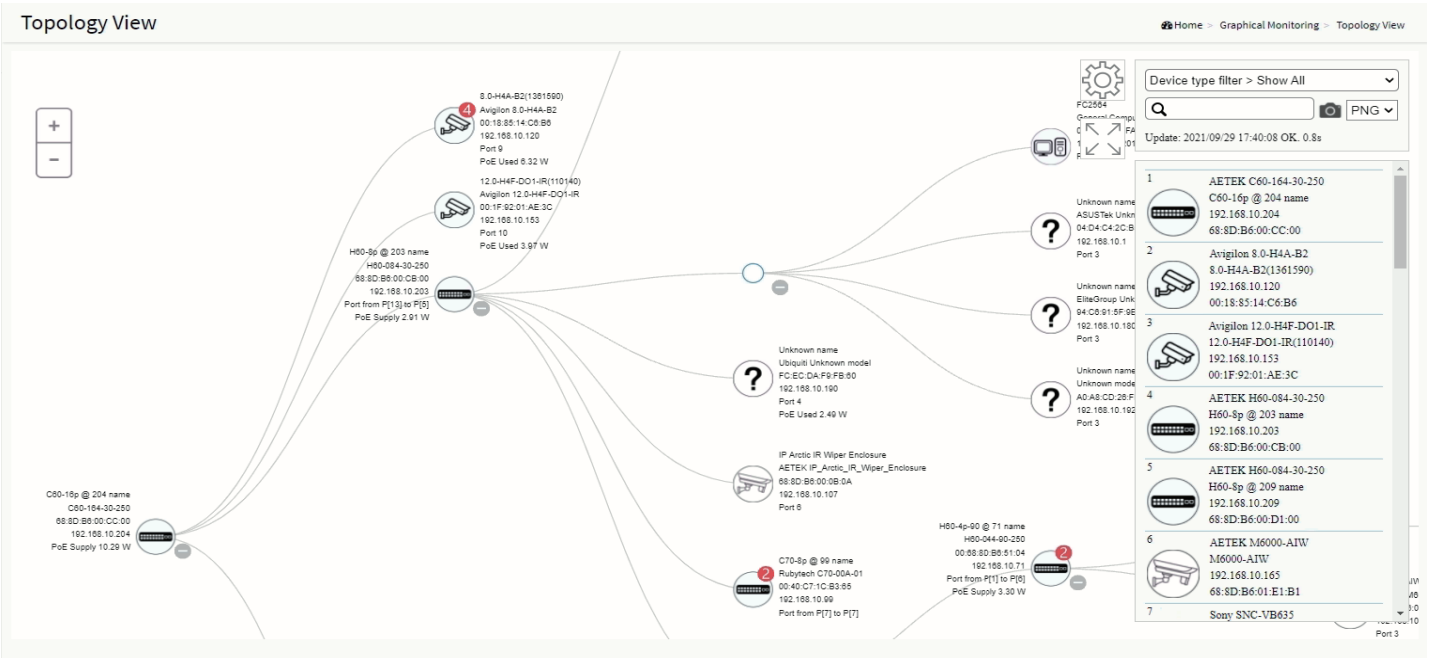- 19" Rackmount installation

Applications

IP Camera Controller Features
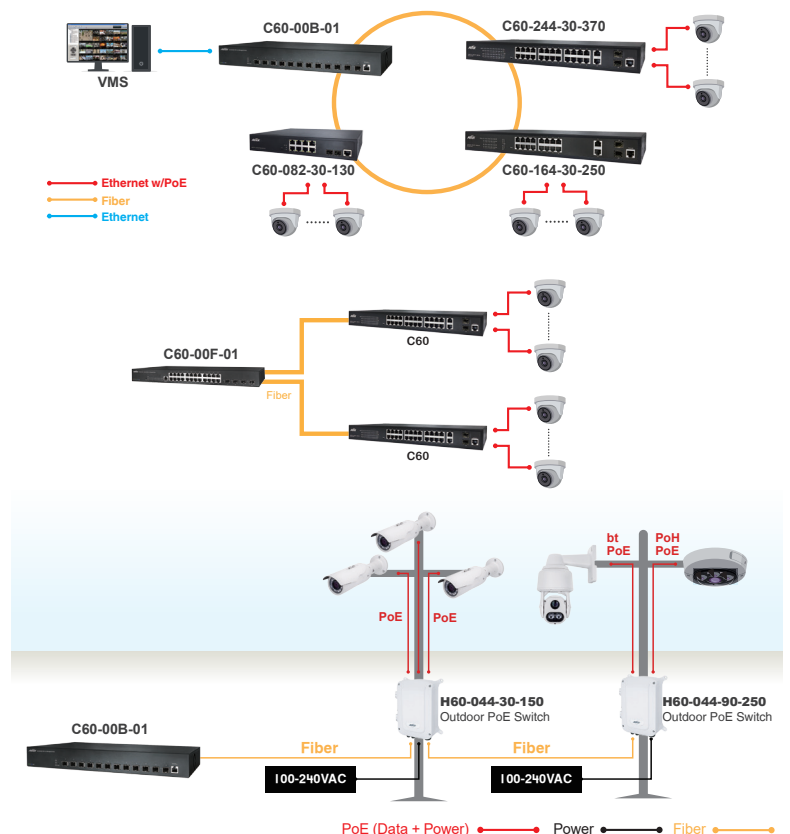
Device List

     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

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

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

鍵盤快速鍵   地圖資料 ©2021 Google   100 公尺   使用條款   回報地圖錯誤

Device type filter > Show All

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

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

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

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

	C60-00B-01	C60-00F-01
Network Specifications		
Gigabit Ports (RJ45)	-	24
1G/10G SFP+ Ports	12	4
Total Ports	12	28
Forwarding Capacity	95.232Mpps	95.232Mpps
Mac Table	32K	16K
Jumbo Frames	12K bytes	12K bytes
Switching Capacity	240Gbps	128Gbps
Power Specifications		
Input Voltage	100VAC ~ 240VAC	100VAC ~ 240VAC
Mechanical Specifications		
Dimensions (L x W x H)	441x 131 x 44 mm 19" Rack mounting	441 x 196 x 44 mm 19" Rack mounting
Weight	2.8 KG	3.1 KG
Connectors	SFP+ Slot x12, Console RJ45x1	RJ45x24, SFP+ Slot x4, Console RJ45x1
Environmental Specifications		
Operating Temperature	0°C~50°C (32°F ~ 122°F)	0°C~40°C (32°F~-40°F)
Storage Temperature	-40°C ~ 70°C (-40°F ~ 158°F)	-40°C ~ 70°C (-40°F ~ 158°F)
Operating Humidity	5% ~ 90% non-condensing	5% ~ 90% non-condensing
Certifications		
EMC	CE, FCC	CE, FCC
Safety	EN62368-1	EN62368-1

Ordering Information

Switches	
	• **C60-00B-01** • Indoor 12x1G/10G SFP+ • 100-240VAC
	• **C60-00F-01** • Indoor 24xGbE RJ45 + 4x1G/10G SFP+ • 100-240VAC

Optional Accessories

SFP+ Transceiver

SFPP-SR-X3 10G SFP+ Transceiver	**SFPP-LR-10** 10G SFP+ Transceiver	**SFPP-ER-40** 10G SFP+ Transceiver	**SFPP-ZR-80** 10G SFP+ Transceiver	**SFPP-TX-X03** 10G SFP+ Transceiver
• MMF • 0.3 km • 0°C ~70°C	• SMF • 10 km • 0°C ~70°C	• SMF • 40 km • 0°C ~70°C	• SMF • 80 km • 0°C ~70°C	• RJ45 • 30 m • 0°C ~70°C