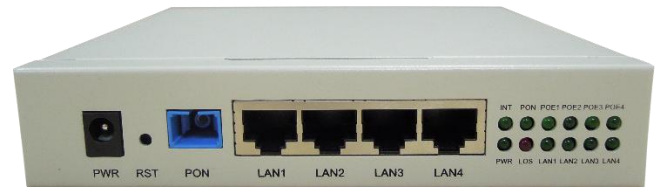




ISCOM5104-GP-PSE

The ISCOM5104-GP-PSE is a Power Sourcing Equipment (PSE) ONU device launched by Raisecom to supply power to Access Point (APs). It has one UPON optical interface and four 1000 Mbit/s PoE service interfaces. The Ethernet interfaces conform to the IEEE 802.3af/at standard and support the simultaneous operation of 4 PoE electrical interfaces. The maximum output power of each PoE interface is 30 W.

ISCOM5104-GP-PSE



Highlights >>

Reasonable design

- Single-panel cable outlet design (the power interface and service interfaces are on the same panel) to facilitate installation and cable outlet. Support wall-mount installation.
- Cartridge chassis, small size, easy installation in multiple types of splice boxes
- Fanless design with natural heat dissipation, zero noise, and energy saving
- Iron enclosure, sturdy and durable, high quality
- New design with great price-performance ratio

Unified network management, easy to operate and maintain

- Multiple management modes (Telnet and OAM) to facilitate login and management
- Support batch configuration, profile configuration, offline configuration, and plug-and-play of the device, accelerating service deployment
- Alarm reporting (Dying Gasp, optical link DDM, loop, and so on) to facilitate fault location and troubleshooting
- Unified network management system, which can manage all Raisecom devices and can operate all services configurations remotely.
- Led indicator: POWER; PON LOS; Ethernet interfaces; PoE;

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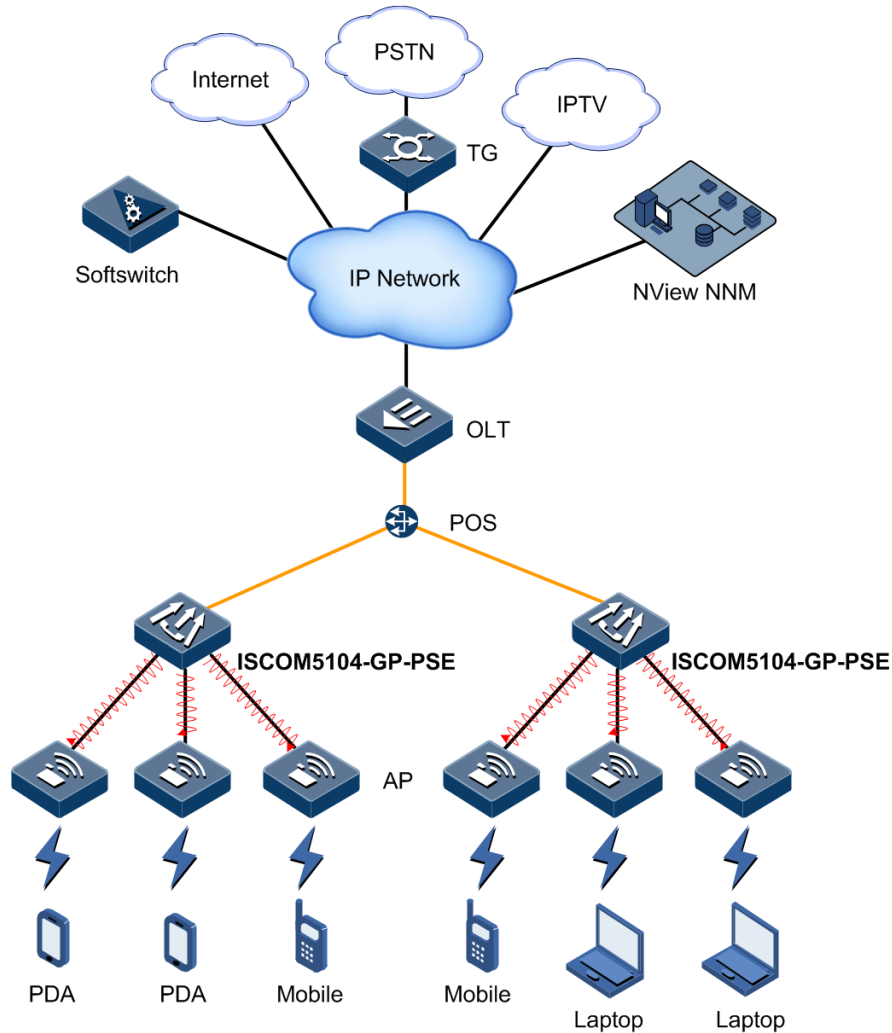
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Application >>

Figure 1-1 WLAN access networking



WLAN access networking:

IP-based terminal devices, such as PDAs, Mobile phones, and Laptops, access wireless networks through APs. Due to the special deployment location of the AP, such as the ceiling, corridor walls, or outdoor, it is far away from the power supply so that the reliability and stability of the AP power supply cannot be guaranteed. Therefore, it is necessary to obtain power through the ISCOM5104-GP-PSE.

The ISCOM5104-GP-PSE transmits power via Ethernet cables to wireless APs, cameras and other devices while it also transmits Ethernet data, saving costs and space.

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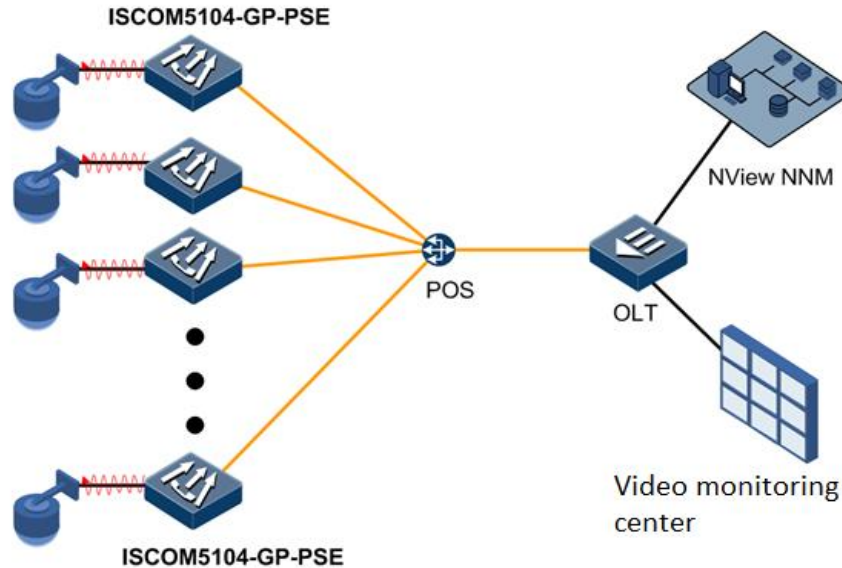
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Figure 1-2 Security monitoring networking



Security monitoring networking:

Cameras are often installed in corners, roadsides, doorways, and other places where it is difficult to install power cables. The ISCOM5104-GP-PSE can supply power to monitoring devices, thus saving wiring and maintenance costs and reducing workload.

Key features >>

GPON

- ITU-T G.984. x (1, 2, 3, 4) and G.988 standards
- 32 T-CONTs and 128 GEMs
- Multiple authentication methods in collaboration with OLT (SN, PASSWORD, LOID, etc.)
- DBA in conjunction with OLT
- Silence, with a silence time of 60 seconds
- AES-128 encryption

EPON

- 802.3ah MPCP
- 802.3ah OAM
- CTC EPON equipment technical requirements
- Optical link DDM and optical module sending power shutdown

Ethernet interface

- 10/100/1000M auto-negotiation interfaces, 1000M full duplex interfaces, and flow control
- Statistics on unicast, multicast, broadcast packets on interfaces
- MTU, ranging from 1518 to 2030, being 1518 by default
- Interface-based DLF, unknown multicast, and broadcast storm control

MAC address

- MAC address learning and aging
- 256 Address

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VLAN	<ul style="list-style-type: none"> ● IEEE 802.1Q ● CTC VLAN mode
Multicast	<ul style="list-style-type: none"> ● IGMP Snooping ● Multicast VLAN ● Multicast immediate leave
Loop detection	Supported
DHCP Option 82	Supported
PPPoE+	Supported
Maintenance and management	<ul style="list-style-type: none"> ● OMCI management and configuration, G.984.4/G.988 standards, and CTC GPON technical specifications ● OLT management and local Web management ● Interface Up/Down alarm and Dying Gasp alarm ● Configuration of optical module status threshold and query of current values

Technical specifications >>

PON interface	<ul style="list-style-type: none"> ● GPON: SC/APC Uplink: 1.244 Gbit/s; downlink: 2.488 Gbit/s
Ethernet interface	4GE
Power specification	54 VDC, 1.2 A
Usage condition	<ul style="list-style-type: none"> ● Operating temperature: -30 to 55°C ● Operating humidity: 10%–90% (non-condensing)
Maximum power consumption	<ul style="list-style-type: none"> ● Overall power < 5 W (without PoE) ● Overall power < 65 W (PoE)
Maximum output power of PoE	<ul style="list-style-type: none"> ● 60 W (overall) ● ≤ 30 W (per interface)
Dimensions	150 mm (length) × 115 mm (width) × 30 mm (height)

Standard and protocol >>

Standard and protocol	<ul style="list-style-type: none"> ● OMCI management and configuration, G.984.4/G.988 standards, and CTC GPON technical specifications ● IEEE802.3 ah, CTC V3.0 technical specification
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Ordering information >>

ISCOM5104-GP-PSE-05 (GJ01)	M.00	One UPON interface (adaptive to EPON and GPON), four 10/100/1000 Mbit/s Ethernet interfaces, and SC/APC optical interface, supporting positive power supply, American standard. All Ethernet interfaces can power the standard Powered Devices (PDs).
ISCOM5104-GP-PSE-07 (GJ01)	M.00	One UPON interface (adaptive to EPON and GPON), four 10/100/1000 Mbit/s Ethernet interfaces, and SC/APC optical interface, supporting positive power supply, European standard. All Ethernet interfaces can power the standard Powered Devices (PDs).