



ISCOM6124-XGS

The ISCOM6124-XGS is an XGS-PON MDU product developed by Raisecom for all-optical-fiber parks. It provides XGS-PON access for uplink and downlink 10G bandwidth, and provides 24 GE electrical interfaces and two 10GE optical interfaces in the downlink, so it can access services with rate higher than GE and provide users with high-quality data, high-definition video services, and other services.



Highlights >>

Reasonable product design

- Adopt fanless zero-noise design to minimize noise towards residents.
- Iron-shell MDU, strong and durable, high safety protection class, high lightning protection indicators, high product quality.
- Working at -20 to 55°C and with lightning protection level of ± 6 kV in common mode, thus adaptive to various areas
- The power interface and service interfaces are at the same side, and wall-mount or rack-mount installation is supported, thus facilitating construction, installation, operation, and maintenance.

Uniform network management, easy operation and maintenance

- Multiple management modes (Telnet, local serial interface, Web, SNMP, and OAM) for login and management
- Batch configuration, profile configuration, and offline configuration of ONUs, plug and play, thus speeding up service activation
- Reporting various alarms (Dying gasp, optical link diagnosis, and loop) to facilitate fault location and troubleshooting
- Uniform network management (NView NNM) system, able to manage all Raisecom devices and support all service configuration to be done

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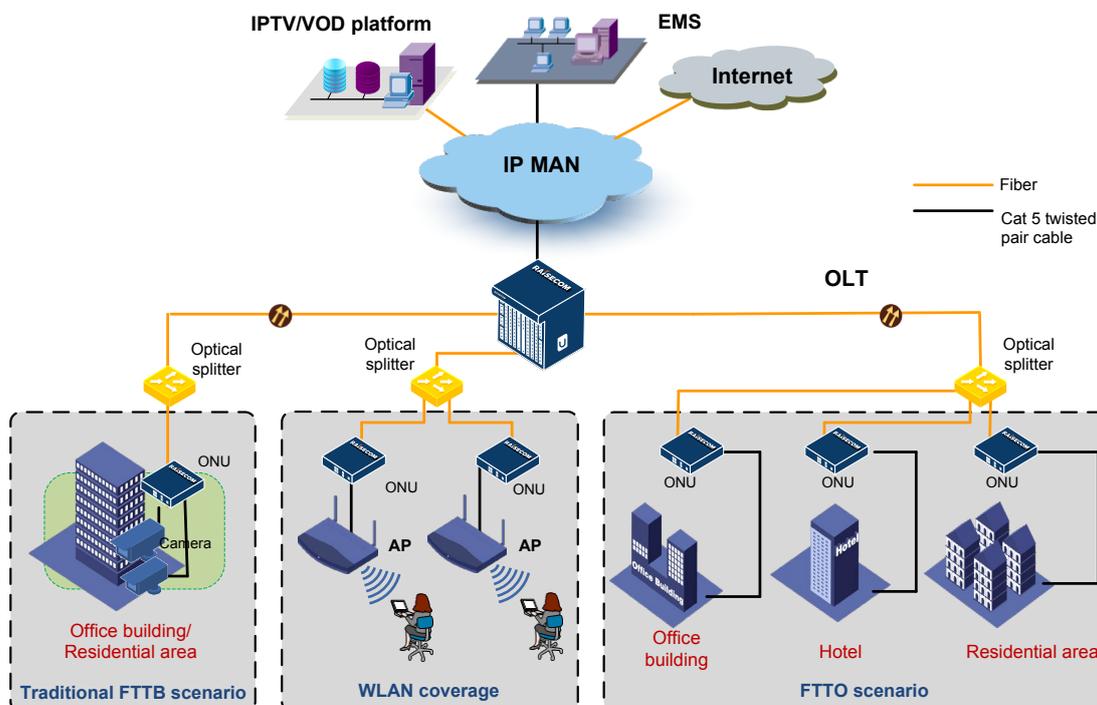
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Application >>

ISCOM6124-XGS access networking



ISCOM6124-XGS access networking:

This device not only supports XGS-PON (symmetric 10G bandwidth) high-rate access to meet various requirements in F5G application scenarios.

This device can also meet the traditional FTTB scenario and perform broadband upgrade for the original 1G PON FTTB users.

Key features >>

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|-------------------------------------|---|
| PON | <ul style="list-style-type: none"> ● XGS-PON optical module, supporting the interface type of SC/UPC ● ITU-T G.987.x ● 32 T-CONT interfaces and 128 GEM interfaces ● Multiple authentication modes (SN, password, and LOID) in cooperation with the OLT ● DBA in cooperation with the OLT ● Silence, with the time of 60s ● AES-128 encryption |
| Ethernet interfaces
(electrical) | <ul style="list-style-type: none"> ● GE interface: 10/100/1000M auto-negotiation ● Statistics on unicast packets, multicast packets, and broadcast packets on interfaces |

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	<ul style="list-style-type: none"> Configurable MTU, ranging from 1518 to 2030, being 1518 by default Interface-based storm control over DLF, unknown multicast, and broadcast packets
Ethernet interfaces (optical)	<ul style="list-style-type: none"> GE/10GE optical module
MAC address	<ul style="list-style-type: none"> Dynamic MAC address learning and aging
Loop detection	<ul style="list-style-type: none"> Supported
VLAN	<ul style="list-style-type: none"> IEEE 802.1Q CTC VLAN mode (transparent transmission, tagging, translation, and Trunk)
Multicast	<ul style="list-style-type: none"> IGMP Snooping Multicast VLANs Immediate leave for multicast
Maintenance and management	<ul style="list-style-type: none"> OMCI management and configuration, supporting G.987.1 specifications and China Telecom GPON technical specifications OLT management and NView NNM management Interface Up/Down alarm and Dying gasp alarms Configuring thresholds of optical module status parameters and querying current values

Specifications >>

PON interface	XGS-PON (SC/UPC, SFP)
Ethernet interface	24*GE+2*XGF
Power supply	100–240 VAC, 50/60 Hz
Working conditions	Operating temperature: -20 to 55°C Operating humidity: 10%–90% (non-condensing)
Maximum power consumption	24 W
Dimensions	400 mm * 220 mm * 43.6 mm
Dustproof level	IP40
Lightning protection class	Power interface: ±6 kV in differential mode and ±6 kV in common mode Ethernet interface: ±6 kV in common mode
Weight	< 2.9 kg

Standards and protocols >>

Standards and protocols	OMCI management configuration, supporting G.987 specifications
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Specifications >>

ISCOM6124-XGS (A)	XGS-PON steel casing MDU, providing 24*GE+2*XGF interfaces, 12 VDC, single 220 VAC power supply, equipped with the XGS-PON N1 optical module as standard configuration
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