

L12224XH GDSL Access Multiplexer

Product Specification

Ver. 1.0

Aug. 2017

■ Summary

ZTI Solutions' L12224XH GDSL Access Multiplexer is best suited for In-Building application as well as in-home networking solution. It's "GDSL Network Access Multiplexer" product which is providing 24port GDSL connection with "Flexible and 1G/10G Ethernet Configurable Network Interface along with SFP/SFP+".

■ Highlights

- ❖ 24 Port supports ITU G.996x G.hn Wave-2 (200MHz) up to 1.7Gbps
- ❖ Configurable SFP/SFP+ Interface
- ❖ Gigabit Ethernet(GbE) with SFP
- ❖ 10Gigabit Ethernet(10GbE) with SFP+
- ❖ ITU-T G.984 GPON Interface(2.5GbE) with SFP
- ❖ GbE Managment Port
- ❖ Serial Console Port
- ❖ 0 to 40°C operating temperature
- ❖ Pluggable Power Module
- ❖ 2 Daisy Chain Synchronized Clock(BNC)

■ Standard Compliance

- ❖ ITU-T G.9960/9961/9962/9963/9964 G.hn
- ❖ IEEE 802.1p QoS
- ❖ IEEE 802.1Q VLAN
- ❖ IEEE 802.3 Ethernet LAN
- ❖ IEEE 802.11n and IEEE 802.11ac

■ Specifications

General

ZTI Solutions Model	L12224XH
Network Terminal Type	G.hn GDSL Access Multiplexer Equipment
Main SoC	Marvell 98DX3336 + Maxlinear 88LX5153
Uplink	1G SFP, 10G SFP+, ITU-T G.984 GPON SFP Terminal
Downlinks	24 X GDSL (G.hn)
Operating Temperature	0 to 40°C
Operating Humidity	10% to 90%, non-condensing
Dimensions	440 X 280 X 44mm (W x D x H)
Installation	Rack-Mount
Switching Fabric	88Gbps
FAN	3 EA FAN Block
LED	Power, Run, Management, FAN, G.hn Link
MAC Entry	16K
Regulatory	CE; CCC/FCC/ETL in future

G.hn

G.hn Interface	24port RJ-45 Phone Line
Standard Compliance	ITU-T G.9960/9961/9962/9963/9964
PHY Rate	2Gbps (1.7Gbps Ethernet Rate)
G.hn Features	128-bit AES CCMP Encryption Strict Authentication Rules

Network Interface

Ethernet Interface	2 port SFP/SFP+ connectors
Standard Compliance	IEEE 802.3, 802.3z(GbE), 802.3ae(10GbE), 802.3bz(2.5GbE)
Link	GbE with SFP 10GbE with SFP+ 2.5GbE with GPON SFP Terminal (ITU-T G.984)

Layer-2 Bridging

MAC	Ethernet frame filtering based on port, SA/DA IEEE 802.3as, Max MTU size 1518bytes MAC address limiting
VLAN	4K VLAN
QoS/ACL	QoS on all ports QoS based on 802.1p and 802.1q 802.1p marking based on DSCP SPQ+WRR Ingress ACL 8 Queue per port Packet Filtering based on IP/MAC/Port
Multicast	IGMP v1, v2, v3 IGMP snooping
DHCP	DHCP Relay DHCP message filtering DHCP option 82
Management	Syslog SNMPv2 Web Management

OAM

LED	Power, RUN, G.hn, 1G/10G
Management	TR-069(T.B.D), CLI, Web, Telnet
Firmware Upgrade	Firmware upgrade, active and alternative firmware images

Power

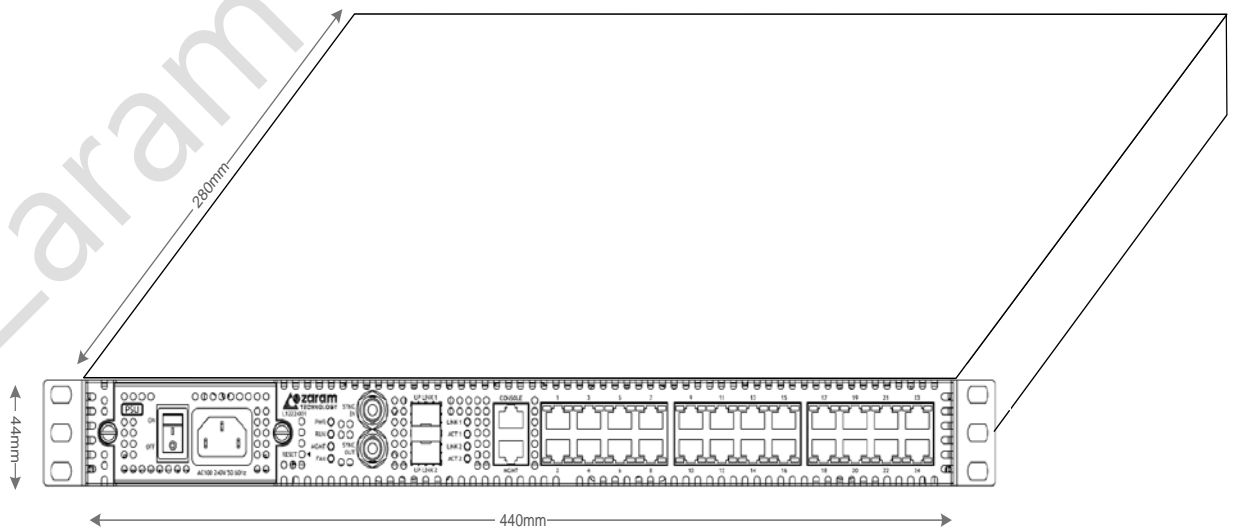
Power Options	DC Power Module(T.B.D)
Wall Adapter	Standard barrel connector 100-240VAC in, 50/60Hz

■ Product Photos

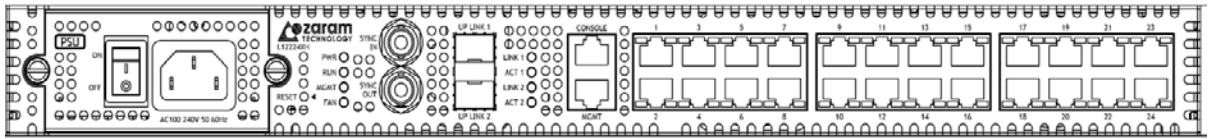
❖ Top View



❖ Dimension (mm)



❖ **Connection Block**



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■ Contact

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