Enabling the hyper-connected world



zNID-10GS-5225A

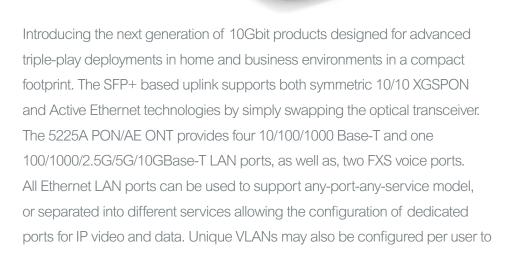
zNID-10GS-5225A

Indoor 10Gbit PON/AE ONT



- + Standard ITU-T G.9807.1 XGSPON
- + Standard IEEE 802.3 10G AE
- Triple-Play QoS
- VolP with CLASS 5 Features.





ensure full isolation of each customer's data traffic.

The supported industry-standard SIP VoIP signaling provides reliable voice services. DZS' experience with packet voice ensures interoperability and support with a large number of soft switches and with the ability to tailor the VoIP solution by selecting from a list of over 30 countries. Flexible management means the 5225A ONT may be provisioned using the same intuitive and easy-to-navigate Web interface and CLI as the rest of the zNID family, as well as through standard OMCI, USP (Unified Service Provisioning), the DZS Network Management System (ZMS), or using a TR-069 compliant ACS. Software upgrades and configuration backups can be handled automatically by the ZMS using the CPE Manager feature.

Indoor 10Gbit PON/AE ONT



zNID-10GS-5225A

Features, Protocols, Interfaces, Specifications

XGSPON

- + Fully ITU-T G.9807.1 compliant framing
- + Ranging and activation process
- + D/U 128-AES Encryption and key exchange
- + D/U FEC, RS (248, 216)
- + 32 T-CONTs per device
- + 32 GEM Ports per device
- + Support for Multicast GEM Port
- + Downstream dedicated independent queues for PLOAM and CPU packets.
- + Upstream normal queues for PLOAM and CPU packets.
- + Dying Gasp support

Ethernet

- + IEEE 802.3an 10GBase-T
- + IEEE 802.3bz 2.5G/5GBase-T
- + IEEE 802.3ab 1000Base-T
- + IEEE 802.3u 100Base-T
- + IEEE 802.3az EEE
- + IEEE 802.1p/g VLANs

VLANs

- + Per port IEEE 802.1Q VLAN ID processing
- + All VLAN IDs supported in Open Trunk Mode
- + Max of 24 VLANs per port in Filtered Trunk Mode
- + VLAN tagging/untagging
- + VLAN Stacking (QinQ)
- + VLAN Switching

IP/MPLS

- + IGMP v3 Snooping
- + VLAN support

QOS

- + Ethernet bridging/switching per IEEE 802.1d/802.1q
- + Traffic management (priority queuing)
- + QoS with support for IEEE 802.1p + DSCP VLANs (MSTP)

Layer 2

- + 802.3n flow control
- + Automatic MAC learning and aging
- + Unlimited # of MAC addresses for OMCIconfigured flows
- + Support for up to 4,096 MAC addresses for RG traffic flows
- + Broadcast storm control
- + LLDP-MED

IP Routing and Firewall

- + PPPoE
- + NAT/NAPT
- + Port forwarding
- + DHCP Server
- + DNS Server
- + UPnP

IPv6

- + IPv4 and IPv6 Dual-Stack-lite
- + Bridged Mode (transparent pass-thru of IPv6 frames)
- + IPv6 Support for BRouted, and PPPoE-Bridged VLANs
- + DHCPv6 client and server
- Router Advertisement on LAN- side interfaces of BRouted and PPPoE-Bridged VLANs
- + SLAAC for automatic acquisition of WANside IPv6 address and Gateway
- + CLI and HTTP management via IPv6 address
- + TR-069 management via IPv6 address.

Future Enhancements

- + Netconf/YANG
- + MPLS Enhancements
- + Future Enhancements Subject to Change

Regulatory Compliance

- + EMC:
- + FCC Part 15 Class B
- + ICES-003 Class B
- + EN55022 Class B
- + EN55024
- + Safety:
 - + UL60950-1
 - + CSA C22.2 No. 60950-1
 - + EN60950-1
- + Environmental:
 - + RoHS

Operating Requirements

- + Operating Temperature: -5C to +50C
- + Storage Temperature: -40C to +85C
- + Relative Humidity: 5 to 95%, noncondensing

Ordering Information

Module	Description
ZNID-10GS-5225A-xx	Indoor 10G PON/AE ONT, SFP+ WAN, 2xFXS POTS, 4xGE+1x10GE LAN xx = 00, EU, NA, UK power supply options
XCVR-XGS-SFP+-ONU-IA	XGSPON 10/10G ONU SFP+, 1270/1577NM SINGLE FIBER SC/UPC
MXK-10GE-SFP+-20KM-1310	SFP+ 10GBPS ETHERNET, 20KM, SM, 1310NM, DUPLEX LC/UPC



909 Ridgebrook Road., Sparks, Maryland 21152, USA TEL: +1-410-583-1701 FAX: +1-410-583-1704 E-mail: sales@pulsesupply.com

https://www.pulsesupply.com/zhone-products

