



IP Multi-service Access Node

hiX 5622

Product Features

- True IP multi-service access node
- Advanced service delivery - IPTV, POTS, ISDN, Business & Residential Ethernet, xDSL
- Carrier grade gateway between provider network and service subscriber
- Up to 108 Gbit/s Switching Capacity
- 2 Service slots
- Identical service cards for all shelf-based hiX 5600
- Copper and fibre transport and access
- Very high density for POTS and DSL access (up to 144 ports per shelf)
- Redundant (uplink, Power)
- Digital and metallic onboard test for voice and xDSL
- Supported by ACI-E EMS
- Temperature hardened (can be deployed in outside plant)
- Cabinet solutions available

The hiX 5622 is a high performance, carrier class IP multi-service access and aggregation node designed to ETSI standards. It bridges the gap between the carrier IP network and the end subscriber for POTS, ISDN, VDSL, SHDSL, ADSL, Fast Ethernet, GbE, IPTV and other services.

The hiX 5622 is built upon a pure IP core and supports both legacy and emerging service interfaces over copper and fibre. This mix of services on one platform enables service providers to future proof their networks. New services can be deployed with the simple change of a line card, equipment obsolescence can be avoided and network investments protected.

The chassis supports two service slots enabling the system to deliver up to 144 ports making it ideal for small to mid-size applications at the Central Office or deep in the network. Service slots include ADSL2+ (72 ports/slot), POTS (VoIP capable, 72 ports/slot), VDSL2 (48 ports/slot), ISDN (32 ports/slot), GbE (10 ports/slot), Fast Ethernet (48 ports/slot) and more. With the 10 GB capable star backplane architecture, the hiX 5622 provides high capacity and high reliability in one system. This is complemented by fully redundant 1 GbE or 10GE uplinks on central control card and redundant power supplies making the hiX 5622 truly carrier grade.

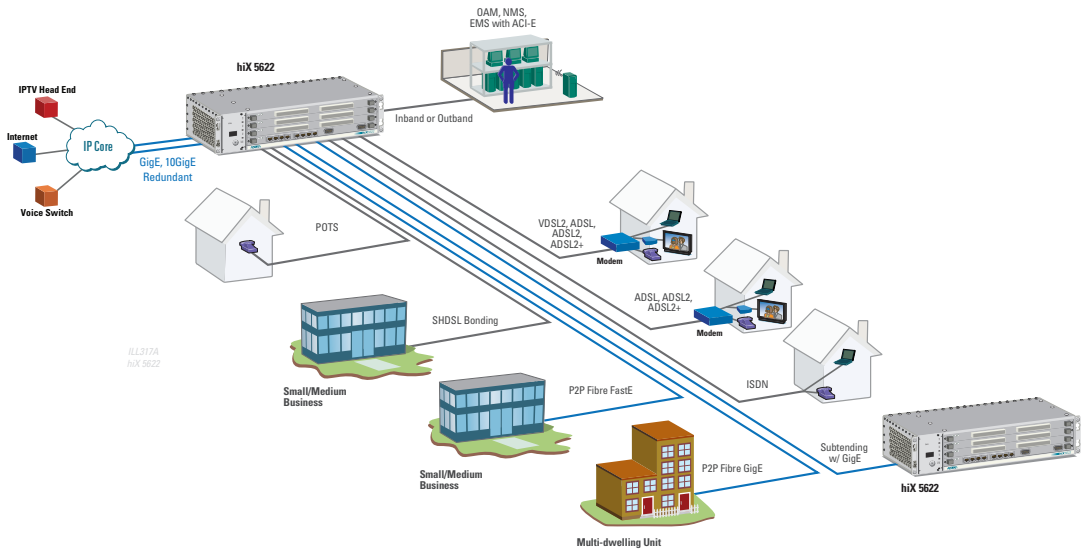
The system provides voice and data services as well as a simple migration path from legacy interfaces to IP. Voice services can be transitioned from POTS or ISDN to VoIP for example. Broadband data access can be provided using SHDSL, ADSL or VDSL (with or without splitters) as well as high density fibre using Fast Ethernet or Gigabit Ethernet. This unique mix of services from one single IP based platform enables service providers to quickly adapt to new business opportunities and remain highly competitive.

In order to ensure maximum flexibility, the common equipment and line cards are temperature hardened allowing the system to be deployed virtually anywhere, ranging from the Central Office to compact outdoor cabinets.

The hiX 5622 is managed by ADTRAN's Access Integrator Ethernet (ACI-E) Element Management System. The ACI-E EMS and hiX 5622 nodes communicate using SNMP via in-band or out-band channels. The ACI-E provides a Graphical User Interface (GUI) and northbound interfaces such as SNMP, TMF CORBA, WSPI (Web service based XML provisioning I/F) for a smooth integration into service provider operational systems.

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Product Specifications

Physical

Including cables and adapters

G200 2G: (21")

- Dimensions: 124 mm H, 533 mm W, 331 mm D

G200S 2G (19")

- Dimensions: 124 mm H, 482 mm W, 331 mm D

Interfaces

- Maximum number of slots: 4
- 2 x service-units, 1 x central units
- 1 x power module (1/2 slot size),
- 1 x power module (optional for redundancy)

Electrical

- DC Power: -40,5 to -72VDC
- Power connector: 3W3 male
- Power consumption maximum: 325 W

Regulatory Standards

- ETSI EN 300 019
- ETS 300 753
- DTAG TS 0364/96
- ETSI EN 300 386
- DTAG 1TR9
- ETS ES 201 468
- ETSI EN 60950
- ITU-T K.20/21/27/31/35/45

Environmental

- Operating temperature indoor: -25°C to +55°C
- Operating temperature outdoor shelter: -25°C to +70°C
- Storage: -45°C to +45°C
- Transport: -40°C to +70°C
- Relative Humidity: up to 100%, non-condensing

Ordering Information

| Equipment | Part # |
|---|------------------|
| hiX 5622 Chassis 21" ETSI (G200 2G) | S50028-B3180-A1 |
| hiX fan unit large w/o dust filter (<70°C) | S50028-B3181-A1 |
| hiX fan unit large w/dust filter (<45°C) | S50028-B3181-A2 |
| hiX filter pad for G200 2G w/dust filter | C50165-A230-C866 |
| hiX 5622 chassis 19" (G200S 2G) | S50028-B3190-A1 |
| hiX fan unit large w/o dust filter (<60°C) | S50028-B3191-A1 |

Pulse Supply

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/adtran

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