

The **VistaLynx** Edge QAM is a high density, Gigabit Ethernet (GbE) to QAM product that offers non-stop, high performance operation for Video on Demand (VoD) services. It is ideal for cable operators requiring cost effective solutions for their digital video services.



### Key Features

- Scalable up to 24 QAM channels decoded in 1RU
- GbE Redundancy (one active plus one backup)
- Redundant dual power supplies
- All modules and power supplies are hot-swappable
- Web page interface allows for complete remote configuration and control
- Field upgradable firmware to incorporate new features
- Auto configurable on start up via DHCP
- Remote logging

### Optimized for Gigabit Ethernet Networking

- Full line rate GbE video transport allowing full use of GbE links

### “Pay as You Grow” Modularity

- Modular design allows for more QAM channels to be added as VoD demand grows
- QAM channels may be increased in increments of four, up to a maximum of 24

### High Availability

- QAM cards are hot swappable allowing installation or replacement on active systems
- Costly service outages are minimized, uptime is maximized
- Enhanced system reliability: redundant GbE ports, cooling fans, dual power supplies

### Extremely High Density

- Chassis fits up to six QAM cards for a total of 24 QAM channels in 1RU
- Each QAM card contains two RF ports capable of generating two QAM channels per port
- QAM card RF port versatility provides flexibility and easier spectrum management
- Fully tested and interoperable with industry leading networking equipment



## VistaLynx - Rear (1RU chassis accommodates 2 to 6 QAM cards)

### GbE Input

Interface	GbE (1+1 Redundant) SFP module (optical or copper)
Data Rate	1 Gbps
Format	MPEG-2 Transport Streams (SPTS and MPTS) 188-byte TS packets Unicast and Multicast Constant Bit Rate
Max # of Input Streams	1 to 7 MPEG packets per UDP datagram 240 (3 - 4 Mbps per stream)

### Processing

Function capability	PID remapping, filtering PCR restamping MPEG-2 PSI extraction, generation, and insertion Input network jitter buffer (user adjustable latency; maximum 70 milliseconds) Simultaneous support for SD and HD streams
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### Management and Control

Interfaces	RJ-45 (10/100 Ethernet) RS-232 (Console Port)
Protocols	HTTP FTP, TFTP BootP/DHCP Telnet IGMP v2 SNMP

### QAM Output

QAM Channels per Module	4
Connector	F-type (75 Ohm) Each connector contains two frequency adjacent QAM channels
Frequency Range	88 to 900 MHz
QAM Modulation	ITU J.83 Annex A 64, 256 QAM ITU J.83 Annex B 64, 256 QAM ITU J.83 Annex C 64, 256 QAM
RF Monitor	MCX (75 Ohm) One for each F connector
ASI Monitor Port	BNC Output any QAM channel for monitoring

### General

Dimensions (H x W x D)	44 x 482 x 544 mm (1.72 x 18.98 x 21.41 inches)
Weight	8.1 kg (17.9 lb) typical (fully loaded chassis)
Input Voltage Range	80 to 240 VAC
Input Frequency	50/60 Hz
Power Consumption	278W typical (fully loaded chassis)



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