

The MVN-MX260 Media Gateway is the market leading high availability solution, enabling transmission of real-time video over IP networks. The flexible openGear™ platform provides operators with a powerful, cost effective solution for processing or format converting DVB transport streams.



Business Benefits

Cost Effective

The MVN-MX260 enables operators to take advantage of the associated cost savings of deploying IP networks while increasing flexibility and reliability.

Reliable Transmission

Reliable broadcast quality transmission of content over IP networks is achieved through the implementation of direct processing technologies and advanced redundancy features. This delivers precise packet timing and buffer management, reducing IP jitter and delay.

High Density

The low power, high density, 2RU chassis with dual, front loading hot-swap power supplies, enables up to 60 Multi Program Transport Streams to be processed, encapsulated or de-encapsulated simultaneously.

Control & Monitoring

The DashBoard™ Network Control & Monitoring software is a free application designed for remote control & monitoring of the open architecture, openGear™ platform.

For larger deployments where multiple chassis are deployed, the DashBoard™ application may be used for software updates and monitoring.

Application

Contribution & Distribution

The MVN-MX260 Media Gateway module is a high performance real-time MPEG video processing solution that supports Transport Stream encapsulation to and from IP as standard. Based on the openGear™ architecture, the MVN-MX260 has been designed to meet the demanding requirements of post-production, Contribution and Distribution applications enabling multiple MPEG transport streams to be transported through Gigabit Ethernet connections over an IP network.

The MVN-MX260 is fully bi-directional in both the ASI and IP domain and can be software licensed to enable enhanced Transport Stream processing functions. State of the art processing combined with the unique Mediastorm processing core enables new system architectures to be created allowing content to be freely distributed over IP networks.

Base card Features

MVN-MX260 Base card (MVN-MX260/BAS)

The MVN-MX260 base module fits into any openGear™ chassis and is able to output a single transport stream over any ASI or IP output port. The flexible design allows up to an additional 5 transports streams to be processed on each module.

- 1x ASI to IP encapsulation or IP to ASI de-encapsulation
- 1x Gigabit Ethernet interface
- Management and control via openGear chassis
- IP transmission using unicast or multicast
- In-band or out-of-band control
- Multicast IGMP v1,v2 and v3 support

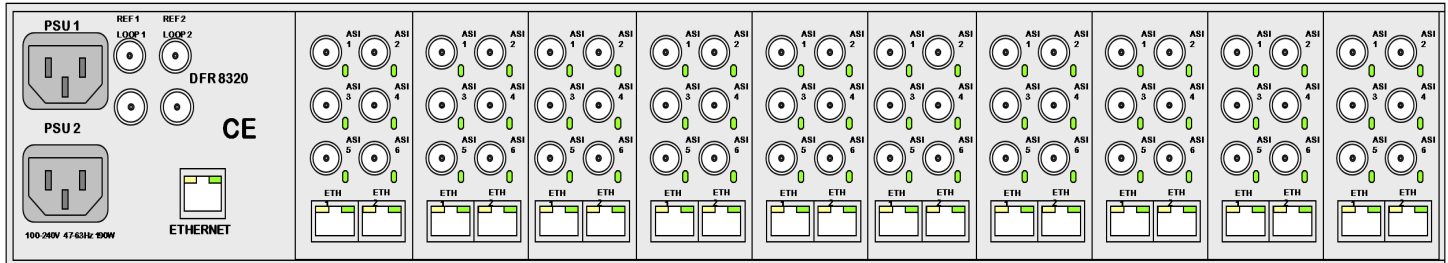
Licensable Options

Additional Transport Stream output (MVN-MX260/TS)

Enables second GbE port (MVN-MX260/GBE)



Rear panel configuration:



Ten MVN-MX260 modules installed in an 2RU DFR-8321 openGear™ 19" chassis

TRANSPORT STREAM INTERFACE

6 bidirectional DVB ASI Interfaces (75 ohm BNC)
Maximum 10 cards per chassis

NETWORK I/O INTERFACE

2x 100/1000Base-T RJ-45 ports
IPv4, UDP & RTP
900Mbit/s usable GbE per Rx port
900Mbit/s usable GbE per Tx port
600Mbit/s maximum processing per card
213Mbit/s maximum ASI TS bit rate per port
Ethernet MTU Length <1500 (IPv4)

FEATURES

Hot swappable power supplies and modules
Modular, multi-vendor architecture
ASI and IP circuit protection
Advanced Redundancy Features
Advanced buffer management
Low latency and Jitter controls
All features software upgradable

MANAGEMENT AND CONTROL

10/100Base-T Ethernet (RJ-45)
Configuration import/export
Audible and visual fault warning
In-band and out-of-band control
SNMP v1,v2
Datasafe™ automated card configuration

PHYSICAL & POWER

Dimensions:

2RU (W x D x H) 483 x 400 x 89mm
Stackable 19" rack units
Front to back Airflow

Power Supply:

Hot swappable 100-250 VAC 47-63Hz
Self cooled 150W max
Second hot swappable PSU optional

ENVIRONMENTAL CONDITIONS

Operating Temperature:

0°C to 40°C (32°F to 104°F)

Operating Humidity:

5% to 95% (non-condensing)

COMPLIANCE

CE: CE marked in accordance with 93/68/EEC (22/07/03) Directive

UL: UL approval

US FCC: Part 15

EMC: EN55022, EN55024, EN6100-3-2