

openGear Modular Frame

- Standardized international configuration, 2RU frame holds 20 openGear® cards.⁽¹⁾
- Houses all IRT Communications openGear cards, as well as many others.
- DashBoard® software monitoring and control.⁽²⁾
- Dual Power Supply.
- Suitable for transport of 12G-SDI, 6G-SDI, 3G-SDI, HD-SDI, SD-SDI or ASI signal rates and 10G/1G Ethernet.
- Suitable for 4K/UHD video.



- 2RU frame houses up to 20 openGear® cards.
- Robust 600 watt redundant power supply with integral cooling.
- Front Panel LCD displaying Name, IP address and Fault Identification.
- User customized identification and alarming using Frameglow
- Supports mixed analog, digital, video, audio, SDI and IP modules in the same frame.
- Removable front door for easy fan servicing.
- Easily removable air filter for periodic cleaning.
- Standard DashBoard™ control system for setup, control and monitoring.
- Optional DataSafe card backup and restore.
- SNMP control via a third party SNMP Browser is also possible provided openGear® frame is fitted with SNMP enabled network controller card.⁽³⁾

GENERAL

IRT Communications offers the openGear® Modular Frame System with frames designed by Ross Video and populated by IRT Communications terminal cards.

Most popular IRT Communication cards options include:

Network Interface Adapters:

IRT-6000-TPD (8 Input / 8 Output Relay Network Interface)

Distribution Amplifiers:

IRT-6010-DDA (Single 1 In, 8 Out / Dual 1 In, 4 Out 3G/HD/SD/ASI Reclocking/Non-Reclocking Distribution Amplifier)

Fiber Optics:

IRT-6638-DDT/DDR (8-Channel 3G/HD/SD-SDI/ASI Fibre Optic Link)

IRT-6644-DTR (Quad 12G/6G/3G/HD/SD-SDI/ASI Fibre Optic Link)

openGear® Frames can be optioned with up to 20 openGear® single width cards. Double width cards reduce the total number of cards. When supplied with IRT Communication cards, these cards can be loaded into the frame and configured at IRT Communications, or supplied un-assembled as desired.

NOTE 1 20 x single width cards. Double width cards reduces total card number.
2 DashBoard® Monitoring and Control Software is downloaded from www.opengear.tv/frame-and-control/control-system/
3 Download/Requires openGear® MIB Files to match frame and card.

TECHNICAL SPECIFICATIONS

Frame Controller and Fans

Total Power: 50W maximum

Max. Power: +12V Rail 4A, 48W

Max. Power: -7.5V Rail 0.2A (1.5W)

GFC-8322

Total Power: 3.9W maximum

Max. Power: +12V Rail 0.2A (2.4W)

Max. Power: -7.5V Rail 0.2A (1.5W)

Reference Inputs

Number of Inputs: 2 looping

Level: 1Vpp nominal

Signal: Analog video sync (Blackburst or tri-level), or AES/EBU DARS

Impedance: 75 ohms terminating

Return Loss: >30 dB to 30 MHz

Maximum DC on REF Input: ±1V

Card Slots 20 Slots

Total Power Available: 500W<

Maximum Card Power:

High Density (Split) Rear Module: 15W per card, accommodates two openGear cards and requires two slots in the frame chassis

Standard Rear Module Accommodates one openGear card and requires two slots in the frame chassis:

30W per card, or 45W if the openGear card has integrated cooling.

Double Wide Rear Module:

60W per card, or 75W for a single card with integrated cooling, or 90W for a multi-slot assembly with integrated cooling

and receiving power from two or more midplane connectors.

Size (w x d x h) 2RU (450 x 483x 89 mm)

Power Total Sum of both outputs not to exceed 500W

Input: 6.3A (650W)

Output 1: 12V 41.6A, 500W maximum

Output 2: -7.5V 5A, 37.5W maximum

Environment Safe Operating Temperature: 0 to 40 C (32 to 104 F)

Operating Relative Humidity: <90% noncondensing

Packaging Size: 600 x 700 x 200 Weight: 13 kg

Ordering Information :

OGX-FR-C-P or

OGX-FR-C-P with nominated cards