



FLASHLINK

FR202

Flashlink high power 2RU modular frame for up to 10 dual-card modules

FR202 is a key component of the next generation Flashlink™ offering, providing a high density 2RU chassis designed to meet today's broadcasting needs, while laying the foundations for the future.

The chassis gives broadcasters the capacity to achieve unparalleled fiber utilization, with highest scalability and ease-of-use all featured by the next generation Flashlink products.

The compactness combined with its low noise makes the FR202 a preferred choice for quiet production environments. Furthermore, with its internal sync distribution, Flashlink™ FR202 is ideal for in-studio and OB installations. With its well-proportioned airflow, the chassis can also be placed in ruggedized enclosures for stage-box use.

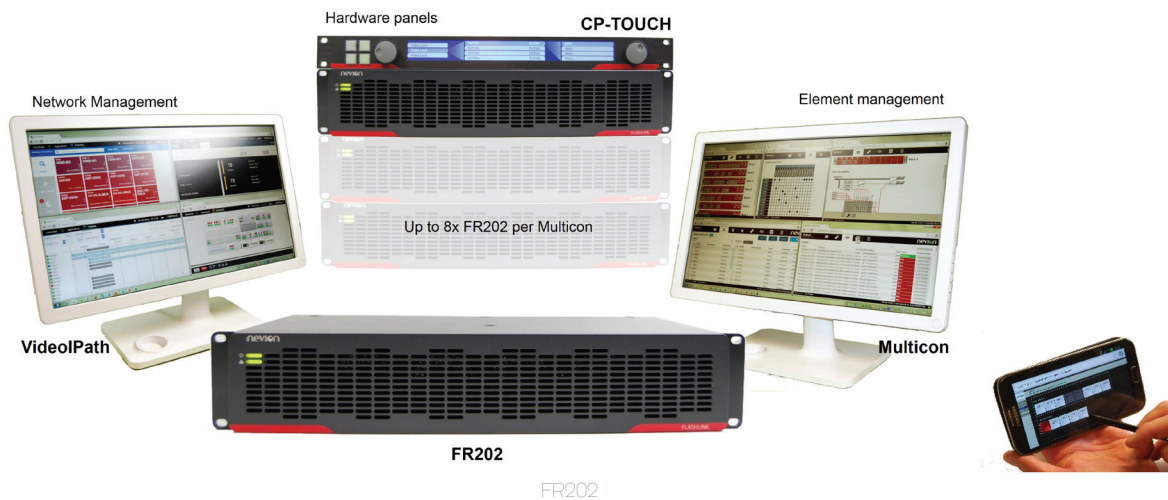
A wide range of management possibilities is provided by the popular and proven system controller Multicon, which is used for management of broadcast systems across the world. Multicon is based on an open and distributed architecture, providing control of several frames through a variety of interfaces (web, control panel, SNMP or 3rd party integrations). It also integrates to Nevision's VideoPath network management system enabling access to all monitoring and configuration parameters from the same console for larger networks with multiple locations.

Applications

- Metro networks
- Broadcast infrastructure
- Studio infrastructure
- In-house campus networks
- Dark fiber contribution networks

Key features

- 10 module positions each allowing dual card configuration
- Compact frame
- Controlled airflow
- Low noise fans
- Redundant power supply
- Internal sync distribution
- Compatible with existing Flashlink cards



FR202

High density

Flashlink™ FR202 is a high density 2RU broadcast infrastructure allowing up to twice the capacity of features and functions compared to the previous generation Flashlink frame. The frame holds up to 10x dual-card modules in addition to 2x power supplies. The power supplies also delivers enough power to allow for any configuration of modules in the frame.

Quiet and efficient cooling

The chassis provides a highly efficient front-to-back cooling scheme removing the need for any additional rack spacing in installations. Six (6) temperature controlled low noise fans ensures that the frame keeps the noise at a minimum, while at the same time ensuring ideal temperature environment for the Flashlink modules.

Integrated synch distribution

The frame also features internal sync distribution supporting both Black and Burst and Tri-level. This feature is already supported by all Flashlink modules featuring frame synchronizers.

Sophisticated management

The FR202 also brings new monitoring abilities to the Flashlink range, giving information about power supply load, temperature inside the frame and fan speed. This information is read out by the element management card Multicon and presented in its web interface and on SNMP giving valuable overview of the health of the system at any time.

Backward compatible and future proof

Flashlink™ FR202 is also fully backward compatible with all Flashlink modules.

General

| | |
|--------------------|---|
| Dimensions | 19", 2RU |
| W x D x H | 48.2cm x 25.4cm x 8.9cm (19" x 10" x 31/2") |
| Number of fans | 6 |
| Module slots | 10 dual card slots |
| Power supply slots | 2 |
| MTBF fans | >65000h @ 40degC |

AC power (PWR-AC-160W)

| | |
|--------------------|--|
| Primary voltages | 100 – 240VAC |
| Mains inlet | IEC-C14 |
| Secondary voltages | +5V, +15V, -15V |
| Max load | +5V, max 100W +15V, max 130W -15V, max 30W Total power, max 160W including fans |
| MTBF | 500 000h @ full load and 25degC |

Connections

| | |
|----------------------|--|
| Sync | |
| Connector | 2x BNC, sync + loop |
| Return loss | Typical <30dB, 0 – 5MHz |
| Supported signals | Black and burst, Trilevel |
| GPI | |
| Connector | 4-pin terminal |
| Interface turns low | Open collector output from each PSU which ohmic in an alarm situation. MAX +10VDC (open) and 100mADC (closed) |
| Flashlink bus | |
| Connector | 2x RJ45 |
| Signal type | RS485 |

Ordering options

| | |
|-------------------|---|
| 23184 FR202 | Flashlink high power 2RU modular frame for 10 dual-card modules and 2 power supplies. Featuring highly efficient - low noise - temperature controlled front-to-back cooling, sync distribution, RS422 control bus, monitoring of power/ fan health and prepared for redundant power. Delivered with one high power AC supply. |
| 23185 FR202-RP | Flashlink high power 2RU modular frame for 10 dual-card modules and 2 power supplies. Featuring highly efficient - low noise - temperature controlled front-to-back cooling, sync distribution, RS422 control bus, monitoring of power/ fan health and redundant power. Delivered with two high power AC supplies. |

Next Generation Flashlink



Next Generation Flashlink is designed to help broadcasters and other industries handle today's media processing and transport challenges while laying the foundations for the future based on IP.

Solutions from Nevion's Flashlink family are used extensively in the production and transport of content throughout the world. Embedded into those offerings are decades of real-world experience handling professional quality content in real-time for global live events. Next Generation Flashlink builds on that experience to create easy-to-use and scalable infrastructure that helps broadcasters achieve critical high fiber utilization needed for larger productions and the option to centralize aspects of production to achieve economies of scale.

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