

# HPF-MAX-N • High-Power (600w) 20-Slot openGear® Frame

The **HPF-MAX** is a 2RU high-density openGear® modular frame offering 600 watts of net (user) available power in a high-capacity 20-slot format. It uses the same form factor and DashBoard™ remote control as our other 20-slot frames and supports all openGear compatible cards and rear I/O modules. The HPF-MAX is perfectly suited for high-density utilization. High power-density power supplies (single standard, redundant second - optional) and engineered cooling/ventilation design allow 10 high-power cards in a frame (10 x 60W = 600 W), or 20 medium-power cards in a frame (20 x 30W = 600W). Separate forced-air cooling paths are provided for the card area and the power supply areas. An intelligent fan controller adjusts fan speed with changes in power supply loading and temperature.

The HPF-MAX-N is a new 20-slot frame compatible with all openGear cards. It has 600W of available power, a built-in Gigabit Ethernet backplane, and intelligent power supplies.

The new HPF-MAX-N with HPF-GE-FC is a 2RU / 20 slot frame which offers Gigabit Ethernet capability per slot.



The **HPF-MAX-N** uses the same rear I/O modules as our current 20-slot frames, allowing a seamless transition from a current 20-slot frame to the **HPF-MAX-N**. The **HPF-MAX-N** frame offers Gigabit Ethernet connection to all card slots with the included HPF-GE-FC network controller. The rear modules offer a broad selection for a flexible and wide array of interfaces such as BNC, HD-BNC, twisted-pair audio, and fiber optic. Special high-density/high-ventilation rear I/O modules offer even greater packaging density when used with compatible Cobalt Digital® cards. The **HPF-MAX** can accommodate two front-loaded **PS-MAX** power supply modules. Adding a second (optional) supply gives the frame full power redundancy. The **PS-MAX** power supply unit is interchangeable as a primary or redundant power supply module, with supplies in either position being hot-swappable. Each power supply contains an independent cooling fan, status LED, and a front-mounted power switch. A MPF-MAX-NS frame with SNMP (HPF-MAX-NS) is available for large scale monitoring implementation. Both types of network cards allow connectivity to any number of connections for full multi-point control and monitoring via free DashBoard™ software.

## FEATURES

High-power with 600 Watts available (net)

Full openGear® compatibility supporting openGear - compatible cards as well as the latest and legacy 20-slot frame openGear rear modules.

Two independent looping references internally routed to all user card slots.

Power supply is hot-swappable for 24/7 operation.

Front LCD display and FrameGlow customizable multi-color, flexible-function light-bar. Wide high-visibility design provides "across-the-room" visibility of any customizable status or frame ID functions.

Power switch on the supply is accessible from the front of the frame.

Separate IEC power connectors to each power supply for mains power redundancy.

Network Controller Card enables multiple copies of DashBoard™ for seamless remote setup, monitoring, and control. SNMP option can be added for large scale monitoring.

Fan status and error indicator LEDs on the front of the frame.

Hinged, pull-away front door panel lowers to allow quick, easy card insertion.

Optional Frame Support Bracket kit provides frame rear support for mobile applications.

Remote control/monitoring via Ethernet using free DashBoard™ software, or optional OGCP-9000 remote control panel.

**Five-year warranty**

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## ORDERING INFORMATION

**HPF-MAX-N** High-Power 20-Slot openGear® Frame - 2RU with fans, cover plates for unused slots. Includes 1) PS-MAX Power Supply Module and **HPF-GE-FC** Network Controller Card. Network Controller Card allows multiple connection network control through DashBoard™ software or Cobalt OGCP-9000 Remote Control Panel.

**HPF-MAX-NS** High-Power 20-Slot openGear® Frame - 2RU with fans, cover plates for unused slots. Includes 1) PS-MAX Power Supply Module and **HPF-GE-FC Network Controller Card with SNMP**. Network Controller Card allows multiple connection network control through DashBoard™ software or Cobalt OGCP-9000 Remote Control Panel.

**PS-MAX** Extra (redundant) frame power supply

**9000-FSB** Frame support bracket kit (supports rear of frame to rear frame rails) - **Option**

**Note:** Maximum cooling performance is obtained when a 1RU space is provided above the frame. Optional high-ventilation rear modules are available to increase airflow where above-frame cooling space is compromised.

Please contact Cobalt Digital Sales for more information regarding frame build-out where ventilation is less than optimal.

## SPECIFICATIONS

### AC Line Input

AC IEC connector inputs: 100-240 VAC 5.0A 50~60Hz

### Available User Card Slots

20 maximum

### Available User (Net) Power

600 Watts continuous operation for installed cards  
80 watts assigned to Cooling Fans and Network Card  
Total: 680 Watts

### Frame Communication

100/1000 Mbps Ethernet with Auto-MDIX

### Reference Video Input

Two non-terminating (looping) Frame Reference Inputs

### Dimensions (WxHxD)

19" x 3.5" x 17" (48cm x 9 cm x 43 cm)  
(Dimensions include any component projections such as mounting tabs, etc.)

### Weight (with single PS-MAX power supply)

13.9 lbs. (6.3 kg)



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DashBoard™ is a trademark of Ross Video Limited.