

# TAHOMA OPENGear FRAME

## The openGear Frame

### OGX-FR-C-P, OGX-FR-CN-P, OGX-FR-CNS-P

Apantac openGear implementation uses the OG3-FR-CN frame that comes with cooling and Advanced GigE Network Control.

**This frame has superior flexibility, power and control from the 3rd generation openGear® platform. The broadcast world's first and only open-hardware platform, and your platform of choice for your broadcast infrastructure needs.**

openGear X is the evolution of the industry's first and only open hardware and software platform. The next generation openGear frame, OGX-FR combines function, flexibility and power with advanced features like high powered 600 watt redundant power supplies, Gigabit Ethernet access to every card slot, 20 openGear card slots, dedicated 21st and 22nd card slots for network control and internal reference distribution, and a front LCD display for easy frame, IP address and fault identification.



### Modular Frame Architecture

The OGX-FR offers the flexibility of independent rear modules for connectivity to a wide array of interfaces such as BNC, twisted-pair audio, and fiber. The independent rear modules are available in different I/O configurations for select cards, including high density split rear modules allowing up to 20 independent openGear cards in the OGX frame.

### Robust Power Supplies

The OGX-FR can accommodate 2 front-loaded PS-OGX power supplies. The split outside location of the power supplies makes installation a breeze when utilizing an alternate phase power source. A single 600 watt supply can fully power a loaded frame, and the addition of a second (optional) supply gives the frame full power redundancy. Each power supply contains an independent cooling fan, status LED, and a front mounted power switch.



## Cooling

The OGX-FR frame has been designed with an advanced cooling architecture with increased ventilation. Front door mounted cooling fans provide forced air cooling to all cards with front to back airflow. An intelligent fan controller adjusts fan speed with changes in power supply loading and temperature. The front door assembly can be removed without tools for quick and easy maintenance.

## Control

The OGX-FR comes standard with Ethernet connectivity for basic configuration and monitoring of openGear cards through the DashBoard control system. An optional advanced networking card, the MFC-8322-N, adds an on-board Gigabit Ethernet switch, with GigE access to each of the 20 processing card slots.

