

# NeXgen Gateway

## NXG Platform Base

The **NeXgen Gateway (NXG)** is a powerful, two-way, future-proof platform that is ideal for delivering next generation video services to enterprise locations including hospitality, educational, multifamily residential, healthcare, business parks, or institutional "pocket community" settings. The **NXG** addresses the challenges of migrating to future IP-DRM content protection practices while supporting today's M-Card ingest encryption.

**NXG Platform Base** - Master Controller Module, Mainframe, and Power Supplies provides:

- IP routing and traffic management
- System configuration and management via a powerful Linux-based monitoring and control system
- Module interconnection via a 30 Gb high-speed backplane
- Distributes DC power to the various sections and modules via (2) fully-redundant, hot-swappable power supplies



## Features

### Master Controller Module

- One (1) 10 GigE SFP+
- Four (4) 1 GigE Connections via RJ45
- LED Indicators for Power, Temperature, Fans, and All Network Connections
- System Configuration and Traffic Management
- EAS Support via Program Substitution
- Alarm Summary and Event Logs
- System Status of All Modules
- Import, Export, and Edit Configuration Files
- Schedule Future Firmware Updates to Modules
- SNMPv2 Alarms
- Authentication Management via TACACS+
- Supports Fully-redundant Deployments in IP-based Installations

### Master Controller Module is an Industrial Ethernet Switch Supporting:

- Full Management of Layer 2 and Layer 3 Forwarding
- 802.1q VLAN Switch with 32K MACs and 4K VLANs
- Supports IPv4 and IPv6
- Configurable for Integration with Complex Networks

### Mainframe:

- 30 Gb Backplane; 2.5 Gb Bi-directional to Each Module
- 12 Module Slots
- Easily Replaceable Fans for Heat Dissipation
- Front to Back Airflow; Cleanable / Replaceable Air Filters

### Power Supplies (AC):

- Internal Fan for Heat Dissipation and Status LEDs

## Ordering Information

Model	Stock #	Description
NXG-MFR	6780	Mainframe - 6RU Chassis; 12 Module Slots; 30 Gb Backplane with Fans and Air Filter
NXG-CNTRL	6781	Master Controller Module - Controls Entire Platform
NXG-PS	6782	Power Supply - (2) Required for Redundancy

**Made in U.S.A.**

Rev: 113017  
 Blonder Tongue is ISO 9001:2015 Certified

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## Master Controller Module

### Input/Output

<b>IP:</b>		
<b>GigE:</b>	4x RJ45 for IP input/outputs and control	
<b>SFP +:</b>	1x 10 GbE data port for distribution of IP streams to all modules as needed, and control of entire platform	

### Alarms/Monitoring/Control

<b>Status:</b>	Indicator LEDs for Power, Fans, Temp, and all network connectors
<b>Remote Monitoring/Control:</b>	GUI-based menu via Web browsers SNMP traps for system alarms E-mail for system alarms

## Mainframe

### General

<b>Dimensions (W x D x H):</b>	19.0 x 18.6 x 8.72 inches (483 x 472 x 221 mm)
<b>Power:</b>	100-240 VAC
<b>Power Dissipation:</b>	30 W (Master Controller Only)
<b>Weight:</b>	17 lbs (7.7 kg)
<b>Operating Temperature:</b>	32 to 122 °F (0 to 50 °C)
<b>Storage Temperature:</b>	-13 to 158 °F (-25 to 70 °C)
<b>Operating Humidity:</b>	0 to 95% RH @ 35 °C max, non-condensation
<b>Storage Humidity:</b>	0 to 95% RH @ 35 °C max, non-condensation

## Power Supply

### General

<b>Dimensions (W x D x H):</b>	2.15 x 9.0 x 1.57 inches (54.5 x 228.6 x 40.0 mm)
<b>Power:</b>	<b>IN:</b> 100-240 VAC; 9A; 50/60 Hz <b>OUT:</b> 12 VDC; 54.2A; 650 W Max
<b>Power Dissipation:</b>	650 W (Each)
<b>Weight:</b>	1.8 lbs (0.81 kg)
<b>Operating Temperature:</b>	23 to 122 °F (-5 to 50 °C)
<b>Storage Temperature:</b>	40 to 158 °F (-40 to 70 °C)
<b>Operating Humidity:</b>	5 to 96% RH @ 45 °C max, non-condensation
<b>Storage Humidity:</b>	5 to 96% RH @ 45 °C max, non-condensation

## System Overview

