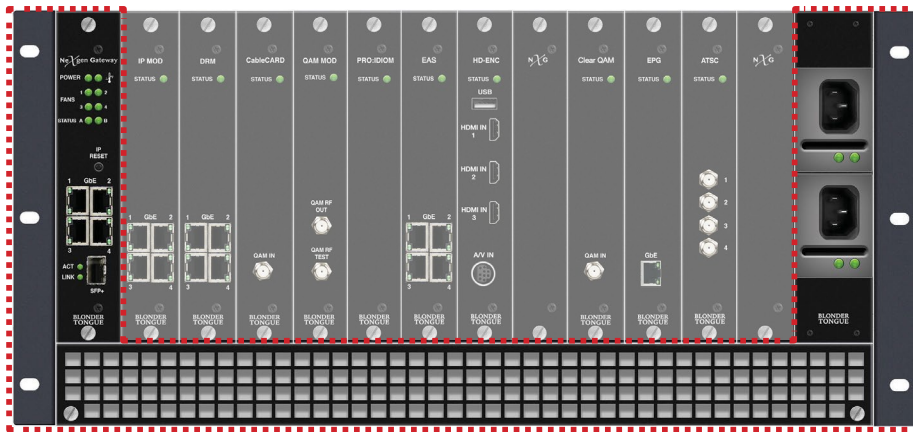


The **NeXgen Gateway (NXG)** is a powerful, two-way, future-proof platform that is ideal for delivering next generation video services to enterprise locations including hospitality, educational, multifamily residential, healthcare, business parks, or institutional "pocket community" settings. The **NXG** 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
- Alarm Summary and Event Logs
- System Status of All Modules
- Import, Export, and Edit Configuration Files
- Schedule Future Firmware Updates to Modules
- SNMPv2 Alarms (future)
- Authentication Management via TACACS+ (future)
- 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
- 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 - 5RU 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

Rev: 071818
 Blonder Tongue is ISO 9001:2015 Certified

Made in U.S.A.

Specifications



Master Controller Module

Input/Output

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

Alarms/Monitoring/Control

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

Mainframe

General

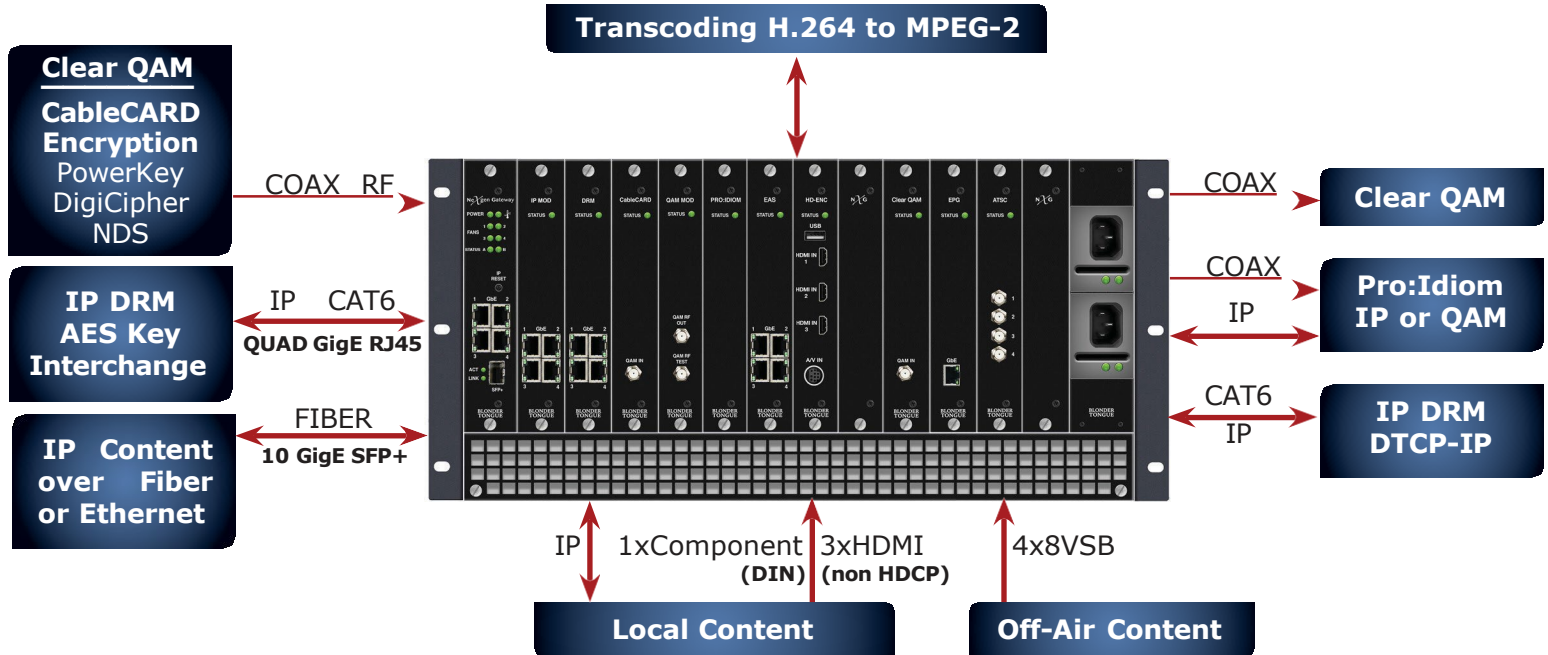
Dimensions (W x D x H):	19.0 x 18.6 x 8.72 inches (483 x 472 x 221 mm)
Power:	100-240 VAC
Power Consumption:	25 W (Master Controller Only)
Weight:	17 lbs (7.7 kg)
Operating Temperature:	32 to 122 °F (0 to 50 °C)
Storage Temperature:	-13 to 158 °F (-25 to 70 °C)
Operating Humidity:	0 to 95% RH @ 35 °C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

Power Supply

General

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

System Overview



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