

BLONDER TONGUE 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

SFP +: 1	4x RI45 for IP input/outputs and control 1x 10 GbE data port for distribution of IP streams t modules as needed, and control of entire platform
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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 E-mail for system alarms

Mainframe

General

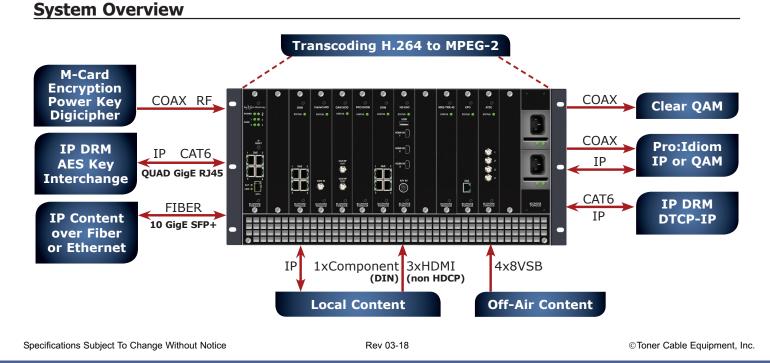
Dimensions (W x D x H):	19.0 x 18.6 x 8.72 inches (483 x 472 x 221 mm)
Power:	100-240 VAC
Power Dissipation:	30 W (Master Controller Only)
Weight:	17 lbs (7.7 kg)
Operating Temperature:	32 to 122 °F (0 to 50 °C)
Storage Temperature:	-13 to 158 °F (-25 to 70 °C)
Operating Humidity:	0 to 95% RH @ 35 °C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

data port for distribution of IP streams to all

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: OUT:	100-240 VAC; 9A; 50/60 Hz 12 VDC; 54.2A; 650 W Max
Power Dissipation:	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



969 Horsham Road • Horsham, Pennsylvania 19044 USA • Phone: 215-675-2053 Fax: 215-675-7543 • info@tonercable.com