

NXG-EDGE MAX KIT

FLEXIBLE EDGE VIDEO DELIVERY PLATFORM

APPLICATIONS AND CONFIGURATIONS

- » IP Edge QAM from SFP+ or Gigabit Ethernet Sources for Fiber-to-the-Home (FTTH) Solutions with RF Properties
- » QAM to IP with Multicast or Unicast Support for Low-Density RF Endpoints
- » IP to IP with Multicast Translation or Unicast Termination for Fiber-to-the-Premises (FTTP) Solutions with IP Properties
- » Wide Range of DRM & Encryption/Decryption Options Provide Flexibility at both Initial Install and Future Requirements Changes



KEY FEATURES

- » 3RU form factor Chassis Supports 4 NXG modules + IP Edge Controller
- » IP Routing and Traffic using Linux-based Monitoring and Control System
- » System Configuration and Remote Management
- » SFP+, Gigabit Ethernet, or QAM Content Input with Optional Module

PRODUCT OVERVIEW

The **NXG-EDGE MAX System Kit** is the 3 RU version of the Blonder Tongue NXG Platform, designed and priced for Edge video delivery. Each NXG-EDGE MAX System comes equipped with a mainframe chassis, controller module including IP input <u>or</u> output capability, and enterprise-class hot-swappable power supplies. Customers can purchase up to 4 existing NXG input, output, or processing modules to create individually customized solutions for each deployment.



CONTROLLER SPECIFICATIONS

| INPUT / OUTPUT | | ALARMS / MONITORING / CONTROL | |
|------------------|--|-------------------------------|--|
| DATA PORTS | | Status | LED Indicators for Power, Temperature, Fans, and all network |
| Gigabit Ethernet | 4x RJ45 GigE for Control & IP Input <i>or</i> Output | Status | connections |
| SFP+ | 1x 10 GigE SFP+ data port for distribution of IP streams and remote monitoring & control | | GUI-based menu via web browser, automated e-mail system alarms, and SNMP traps for asynchronous alarms |

3RU MAINFRAME POWER & BACKPLANE SPECIFICATIONS

GENERAL - MAINFRAME BACKPLANE

| Dimensions (W x H x D) | 19.0 x 5.25 x 14.5 in (483 x 134 x 368 mm) |
|---------------------------------|---|
| Weight | 14.5 lbs (6.57 kg)) |
| Power | 100-240 VAC |
| Power Consumption | 16 W (Master Controller Only) |
| Operating Temp. | 32 to 122 °F (0 to 50 °C) |
| Storage Temp. | -13 to 158 °F (-25 to 70 °C) |
| Operating / Storage Humidity | 0 to 95% RH @ 35 °C max, non-condensing |

GENERAL - POWER SUPPLY UNIT Dimensions 2.15 x 1.57 x 9.0 in (W x H x D) (54.5 x 40 x 228 mm) Weight 1.8 lbs (0.81 kg) **Power** In 100-240 VAC; 9A; 50/60 Hz Out 12 VDC; 54.2A; 450 W Max Power Consumption 450 W (Each Power Supply) Operating Temp. 23 to 122 °F (-5 to 50 °C) Storage Temp. 40 to 158 °F (-40 to 70 °C) 5 to 96% RH @ 45 °C max, Operating/Storage Humidity non-condensing

3RU MAINFRAME BACKPLANE FEATURES:

- » 20 Gbps Capacity; 2.5 Gb Bi-directional to each individual NXG Module
- » 4 Module Slots Configurable to Your Application
- » Front to Back Airflow

POWER SUPPLY UNIT FEATURES:

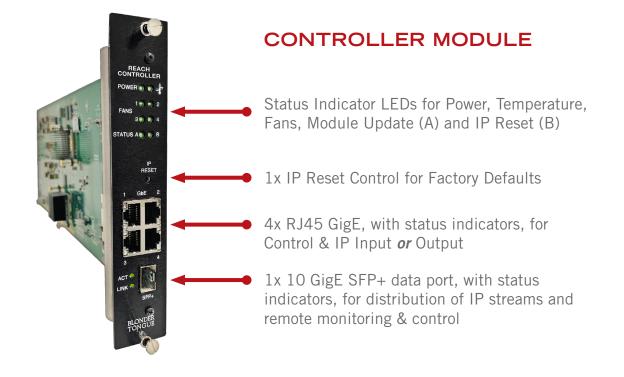
- » Internal Fan for Heat Dissipation
- » Status LEDs
- >> Hot-Swappable

OPTIONAL DRM, ENCRYPTION / DECRYPTION

- » Pro:Idiom[®] Bulk Content Encryption
- » TiVo / Widevine Bulk DRM Descrambling
- » Innovative Systems InnoCrypt Bulk Descrambling
- » Customized AES Compliant Encryption/Decryption for Private Network Deployment Architectures
- » Unicast with MPEG-DASH Termination
- » Various Multicast Configurations Supported

NXG-EDGE MAX KIT CONTROLLER MODULE OVERVIEW





THE CONTROLLER MODULE IS AN INDUSTRIAL ETHERNET SWITCH SUPPORTING:

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

CONTROLLER FEATURES:

- » System Configuration and Traffic Management
- » Alarm Summary and Event Logs
- » System Status of all Deployed NXG Modules
- » Import, Export, and Edit of Configuration Files
- » Remote Firmware Updates to all Modules

- » Authentication Management via TACACS+ (future)
- Supports Fully-Redundant Configurations in IP-based Installations
- Supports Fully-Redundant Configurations in QAM-based Installations with Additional HW
- » SNMP Support

ORDERING INFORMATION

MADE IN USA

| MODEL | STOCK# | DESCRIPTION |
|------------------|--------|--|
| NXG-EDGE MAX Kit | 6739 | 1x Mainframe Chassis (3RU, 4 module slot, 20Gb Capacity IP Backplane), 1x Controller Module (Controls Entire NXG Platform), 2x Power Supplies (required for Redundancy; Hot-Swappable) |