

NXG-EDGE MAX KIT

FIFXIBLE FDGE 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

PRELIMINARY SUBJECT TO CHANGE

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 *or* 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.

> Call Us: 954.427.5711 Toll Free: 888.293.5856

NXG-EDGE MAX KIT

SPECIFICATIONS



CONTROLLER SPECIFICATIONS

INPUT / OUTPUT		
DATA PORTS		
Gigabit Ethernet	4x RJ45 GigE for Control & IP Input <i>or</i> Output	
SFP+	1x 10 GigE SFP+ data port for distribution of IP streams and remote monitoring & control	

ALARMS / MONITORING / CONTROL		
Status	LED Indicators for Power, Temperature, Fans, and all network connections	
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 (W x H x D)	2.15 x 1.57 x 9.0 in (54.5 x 40 x 228 mm)	
Weight	1.8 lbs (0.81 kg)	
Power In Out	100-240 VAC; 9A; 50/60 Hz 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)	
Operating/Storage Humidity	5 to 96% RH @ 45 °C max, non-condensing	

3RU MAINFRAME BACKPLANE FEATURES:

- 15 Gbps Capacity; 2.5 Gb Bi-directional to each individual NXG Module
- 4 Module Slots Configurable to Your Application
- Front to Back Airflow
- Cleanable / Replaceable Air Filters

POWER SUPPLY UNIT FEATURES:

- Internal Fan for Heat Dissipation
- Status LEDs
- Hot-Swappable پ

OPTIONAL DRM, ENCRYPTION / DECRYPTION

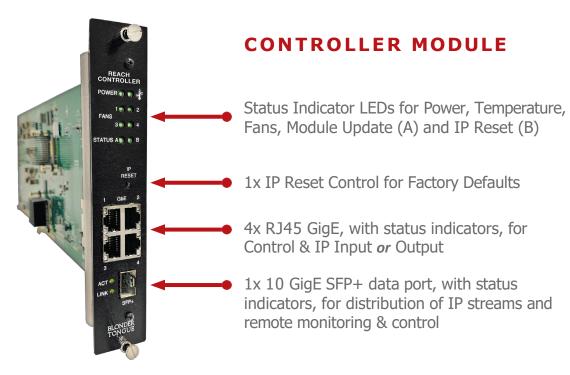
- Pro:Idiom® Bulk Content Encryption
- TiVo / Widevine Bulk DRM Descrambling
- Unnovative Systems InnoCrypt Bulk Descrambling
- Customized AES Compliant Encryption/Decryption for Private Network Deployment Architectures
- Unicast with MPEG-DASH Termination
- Various Multicast Configurations Supported

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CONTROLLER MODULE OVERVIEW





THE CONTROLLER MODULE IS AN INDUSTRIAL ETHERNET SWITCH SUPPORTING:

- Configurable for Integration with Complex Networks
- ي802.1q VLAN Switch with 32K MACs and 4K VLANs
- Full Management of Layer 2 and Layer 3 Forwarding

CONTROLLER FEATURES:

- System Configuration and Traffic Management
- پAlarm Summary and Event Logs
- System Status of all Deployed NXG Modules
- Umport, 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



MODEL	STOCK#	DESCRIPTION
NXG-EDGE MAX Kit	6739	1x Mainframe Chassis (3RU, 4 module slot, 15Gb Capacity IP Backplane), 1x Controller Module (Controls Entire NXG Platform), 2x Power Supplies (required for Redundancy; Hot-Swappable)

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