# 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		
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	
	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:

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

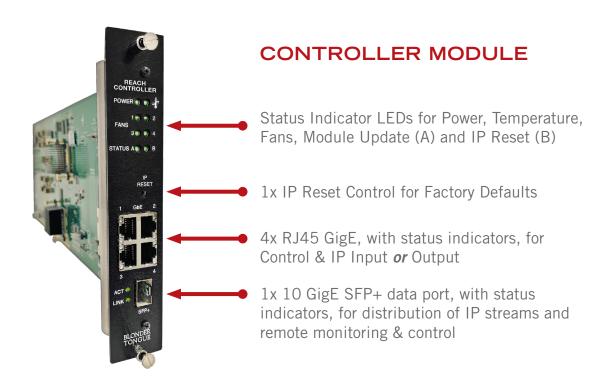
#### POWER SUPPLY UNIT FEATURES:

- » 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





#### THE CONTROLLER MODULE IS AN INDUSTRIAL ETHERNET SWITCH SUPPORTING:

- Configurable for Integration with Complex Networks
- » 802.1g 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



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)