# NXG-EDGE SYSTEM KIT
## FLEXIBLE EDGE VIDEO DELIVERY PLATFORM

## CONFIGURATIONS

» IP Edge QAM from SFP+ or Gigabit Ethernet Sources
» QAM to IP with Multicast or Unicast Support
» IP to IP with Multicast Translation or Unicast Termination
» Wide Range of DRM & Encryption/Decryption Options



## KEY FEATURES

» 2RU form factor Chassis Supports 3 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 System Kit** is the 2 RU version of Blonder Tongue's NXG, designed and priced for Edge video delivery. Each NXG Edge System comes equipped with a mainframe chassis, IP edge controller module including IP input or output capability, and enterprise-class integrated power supply. Customers can purchase up to 3 existing NXG input, output, or processing modules to create individually customized solutions for each deployment.

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# MASTER CONTROLLER SPECIFICATIONS

## INPUT / OUTPUT

### DATA PORTS

| | |
|---|---|
| Gigabit Ethernet | 4x RJ45 GigE for Control & IP Input *or* Output |
| SFP+ | 1x 10 GigE SFP+ data port for distribution of IP streams and remote monitoring & control |

» Configurable for Integration with Complex Networks

» 802.1q VLAN Switch with 32K MACs and 4K VLANs

» 15 Gbps Capacity;  2.5 Gb Bi-directional to each individual NXG Module

» 3 Module Slots Configurable to Your Application

## 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 |

» 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

# 2 RU MAINFRAME POWER & BACKPLANE SPECIFICATIONS

| GENERAL | |
|---|---|
| Dimensions (W x H x D) | 19.0 x 3.5 x 14.5 in (482.60 x 88.9 x 368.30 mm) |
| Weight | 14.5 lbs (6.57 kg) |
| Power | 110/230 V, 60/50 Hz, AC cord input |
| Power Consumption | 110 W (fully-loaded) |
| 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 |

# OPTIONAL DRM, ENCRYPTION / DECRYPTION

» Pro:Idiom® Bulk Content Encryption

» MOBITV / Widevine Bulk DRM Descrambling

» Innovative Systems InnoCrypt Bulk Descrambling

» Customized AES Compliant Encryption/Decryption for Private Network Deployment Architectures

» Verimatrix Bulk Descrambling (future)

» Various Multicast Configurations Supported

# ORDERING INFORMATION

**MADE IN USA**

| MODEL | STOCK# | DESCRIPTION |
|---|---|---|
| NXG-EDGE System Kit | **6799** | 1x Mainframe Chassis with Internal Power Supply (2RU, 3 module slot), 1x Edge IP Controller Module (Controls Entire NXG Platform) |

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# NXG-EDGE SYSTEM KIT

MODULE-BASED IP DIGITAL VIDEO PLATFORM

## IP EDGE CONTROLLER

Status Indicator LEDs for Power, Temperature, Fans, Module Update (A) and IP Reset (B)

1x IP Reset Control for Factory Defaults

4x RJ45 GigE, with status indicators, for Control & IP Input *or* Output

1x 10 GigE SFP+ data port, with status indicators, for distribution of IP streams and remote monitoring & control

**MAINFRAME CHASSIS - REAR VIEW**

## ORDERING INFORMATION

| MODEL | STOCK# | DESCRIPTION |
|-------|--------|-------------|
| NXG EDGE System Kit | **6799** | 1x Mainframe Chassis with Internal Power Supply (2RU, 3 module slot), 1x Edge IP Controller Module (Controls Entire NXG Platform) |

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