

NXG-BTCrypt-S

Secure AES-128 Output Encryption Module



Key Features

- » Standardized AES-128 encryption to quality content
- » Protects content to the viewing location
- » Compliant with Service Operator policies
- » Supports custom integration projects

Product Overview

The **NXG-BTCrypt-S** creates a standardized AES-128 encryption to the output content for the NXG digital video platform. It encrypts single program MPEG-2 IP transport streams pulled off the NXG backplane. The NXG-BTCrypt-S supports the output of up to 256 SPTS channels per each front panel RJ45 GbE ports 1 & 2; ports 3 & 4 are reserved.

BT Labs' managed AES-128 output encryption module can be used to provide a secure IP connection to other vendor's networking equipment or to provide scrambled content all the way to viewing locations. The NXG-BTCrypt-S can support fixed, rotating, or custom key exchange.

Ordering Information

Model	Stock #	Description
NXG-BTCRYPT-S	6776 S	Secure AES-128 Output Encryption Module

NXG-BTCrypt-S

Secure AES-128 Output Encryption Module

Specifications

Input		Output	
IP:	2.5 Gb from NXG Mainframe Backplane	IP:	2x 1Gb RJ45 ports (1 & 2)
Video:	MPEG-1, MPEG-2, MPEG-4, H.264 (AVC), H.265 (HEVC), Digicipher II	Video:	All Formats Content Encrypted
Audio:	MPEG1, MPEG2, ADTS, AC3, E-AC3/AC3+	Addressing:	Multicast or Unicast
		MPEG TS:	SPTS
Alarms & Monitoring		General	
Front Panel:	1x Status LED (Green)	Dimensions (W x D x H):	1.15 x 15.5 x 7.0 in. (29 x 394 x 178 mm)
		Power:	Via NXG Mainframe Backplane
		Power Consumption:	11 W
		Weight:	2.0 lbs (0.9 kg)
		Operating Temp:	32 to 122 °F (0 to 50 °C)
		Storage Temp:	-13 to 158 °F (-25 to 70 °C)
		Operating Humidity:	0 to 95% RH @ 35 °C max, non-condensation

NXG AES Encryption/Decryption Examples:

