

NXG-32CH-QM

32 CHANNEL QAM OUTPUT MODULE



KEY FEATURES

- » Reliable, secure HD programming
- » Up to 3 audio streams; up to 11 extra PIDs per program
- » Configurable with both HD and SD programming
- » Ability to change PSIP information
- » Provides fully independent QAM channels (no QAM channel blocks)
- » Supports MPEG-2, H.264 (AVC), and H.265 (HEVC) video
- » Multiplexes SPTS programs to MPTS for QAM output

PRODUCT OVERVIEW

The **NXG-32CH-QM** module is a multi-channel QAM modulator that provides up to 32 QAM-256 channels. All 32 output channels are fully agile from 54 to 1002 MHz, with the requirement that all channels must be within a 768 MHz frequency span.

Each program can be configured to support a customized channel lineup for desired locations.

ORDERING INFORMATION



MODEL	STOCK #	DESCRIPTION
NXG-32CH-QM	6785	QAM Output Module; 32 Agile QAM Carriers

NXG-32CH-QAM

SPECIFICATIONS



INPUT	
Bandwidth	2.2 Gb transport streams from the NXG Mainframe Backplane

GENERAL	
Dimensions (W x H x D)	1.15 x 7.0 x 15.5 in (29 x 178 x 394 mm)
Weight	2.0 lbs (0.9 kg)
Power	DC via NXG Mainframe Backplane
Power Consumption	32 W
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-condensing

ALARMS & MONITORING	
Front Panel	1x Status LED (Bicolor)

OUTPUT	
Connector	1x "F" Female (front-panel; for combined output)
QAM	
Modulation	QAM-256
Standards	ITU-T J.83; Annex A and B
DVB Symbol Rate	Variable; ≤ 7 MSymbol/sec (MBaud)
Frequency Range	54 to 1002 MHz (all Ch.'s ≤ 768 MHz)
Tuning	CATV Channel Selectable (Ch. 2 - 158)
RF Level	+45 dBmV (per channel)
Output Level Range	30 to 45 dBmV (all configured channels)
Freq. Tolerance	± 0.5 kHz @ 77 °F (25 °C)
Freq. Stability	± 5 kHz over 32 to 122 °F (0 to 50 °C)
Amplitude Flatness	± 0.25 dB (over 6 MHz channel)
Phase Noise	-98 dBc (@ 10 kHz)
Spurious	-60 dBc
Impedance	75 Ω
Return Loss	14 dB typical
Signal to Noise Ratio	40 dB typical
MER	39 dB typical
I/Q Phase Error	Less than 1 degree
I/Q Amplitude Imbalance	Less than 1%

RELATED PRODUCT



MODEL	STOCK #	DESCRIPTION
NXG-QAM32-ProIdiom-PT	6785 1	Pro:Idiom® Pass-Through Module