

# NXG-QAM32-PRO:IDIOM-PT

PRO:IDIOM® PASS-THROUGH 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-QAM32-ProIdiom-PT** module is a multi-channel QAM modulator that provides up to 32 QAM-256 channels, while supporting IP Pro:Idiom encryption pass-through to QAM. 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-QAM32-ProIdiom-PT	<b>6785 1</b>	Pro:Idiom® Pass-Through Module

# NXG-QAM 32-PROIDIOM-PT

## SPECIFICATIONS



### INPUT

<b>Bandwidth</b>	2.2 Gb transport streams from the NXG Mainframe Backplane
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### GENERAL

<b>Dimensions (W x H x D)</b>	1.15 x 7.0 x 15.5 in (29 x 178 x 394 mm)
<b>Weight</b>	2.0 lbs (0.9 kg)
<b>Power</b>	DC via NXG Mainframe Backplane
<b>Power Consumption</b>	32 W
<b>Operating Temp.</b>	32 to 122 °F (0 to 50 °C)
<b>Storage Temp.</b>	-13 to 158 °F (-25 to 70 °C)
<b>Operating Humidity</b>	0 to 95% RH @ 35 °C max, non-condensing

### ALARMS & MONITORING

<b>Front Panel</b>	1x Status LED (Bicolor)
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### OUTPUT

<b>Connector</b>	1x "F" Female (front-panel; for combined output)
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### QAM

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

## RELATED PRODUCT



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