

The **Concierge** IP to QAM is a flexible solution allowing cable and satellite operators to offer digital video services to their customers. As an Edge QAM, Concierge can easily be integrated into the headend to extend digital network infrastructures. Concierge is also a cost effective gateway solution for delivery of Free-to-Guest digital video entertainment to MDUs and hospitality accounts. The Concierge CG12M2+ will pass through clear or pre-encrypted input IP content to output QAM. The Concierge CG12M4+ will encrypt clear input IP content using Pro:Idiom® hospitality technology before passing to output QAM.



## Features

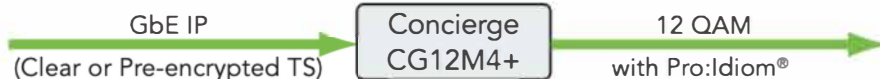
- Available in 2 variants:

→ Clear or Pre-encrypted IP steams in / Clear or Pre-encrypted RF QAM out (CG12M2+)



**Typical Usage:**  
 CATV Headend

→ Unencrypted IP steams in / Pro:Idiom® encrypted RF QAM out (CG12M4+)



**Typical Usage:**  
 Satellite/CATV → Hotel

- Output HD or SD programs on 12 QAM carriers
- Web page interface allows for complete remote configuration and control of Concierge
- Supports PSIP for Virtual Channel Numbers
- Supports SCTE-27 and DVB subtitle PID pass-through (CG12M2+)
- EAS SCTE-18, force tuning of entire channel lineup to the details channel
- Low power consumption
- Compact Design - single 1RU form factor
- Single image field upgradable firmware to incorporate new features



Concierge Rear View

## Concierge Specifications

### Input

<b>Physical Interface</b>	RJ-45, 10/100/1000 Ethernet
<b>Format</b>	MPEG2 TS 188 byte TS packets MPEG2, MPEG4 – elementary streams Unicast, Multicast (IGMPv2, IGMPv3 with single source IP address)
<b>Max Line Rate</b>	960 Mbps
<b>Max Multicast IP Input joins</b>	84 unique input IP addresses
<b>Encryption</b>	Clear or Pre-encrypted TS

### Output

<b>QAM Channels</b>	12
<b>Connector</b>	1 x F-Type (75 Ω) 3 non-overlapping blocks of 4 frequency adjacent QAM channels
<b>Frequency Range</b>	88 – 870 MHz (Band Edges)
<b>QAM Modulation</b>	ITU J.83 Annex B; 64, 256 QAM
<b>Max Output Bit Rate</b>	38.81 Mbps per QAM Channel in 256 Mode 26.97 Mbps per QAM Channel in 64 Mode
<b>Max Number of Program Mappings</b>	32 per QAM Channel (384 total maximum)
<b>Output Power</b>	+45 dBmV per carrier
<b>Encryption [CG12M2+]</b>	Clear or Pre-encrypted TS pass through
<b>Encryption [CG12M4+]</b>	LG Pro:Idiom®
<b>EAS Support</b>	SCTE-18, force tuning of entire channel lineup to the details channel

### Processing

<b>Types</b>	SPTS Multiplexing MPTS Demux CBR and VBR
<b>Network Jitter Buffer</b>	User configurable per program: 10 ms to 10 sec

### Management and Control

<b>Interfaces</b>	10/100 Ethernet USB (Console Port)
<b>Protocols</b>	HTTP, TFTP, BootP/DHCP, IPv4, SNMP **

\*\* Feature/specification planned for future availability.  
Inquire with Vecima Sales Representative

### Chassis / Power / Environmental

<b>Dimensions (H x W x D)</b>	1.75" x 19" x 18"
<b>Input Voltage Range</b>	90 to 240 VAC
<b>Input Frequency</b>	50/60 Hz
<b>Power Consumption</b>	150 W
<b>Operating Temperature</b>	0° to 50°C

### Ordering Options

CG12M2+ Concierge IP to QAM, 12xQAM RF Out  
CG12M4+ Concierge IP to QAM, Clear/Unencrypted IP IN, Pro-Idiom® RF OUT