

Concierge

IP TO QAM

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.

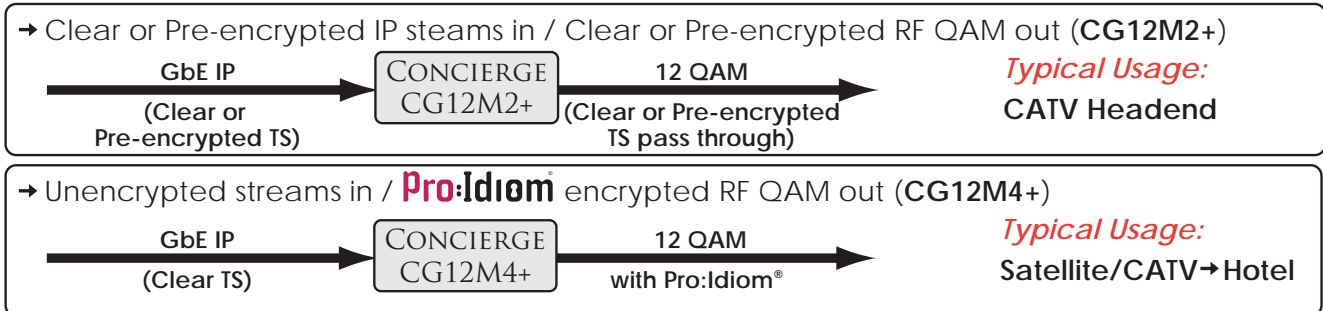


Concierge Front View



Features

- Available in 2 variants:



- 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

Pro:Idiom is a registered trademark of Zenith Electronics



Concierge Rear View

Concierge Specifications

Input

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

Output

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

Processing

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

Management and Control

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

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

Chassis / Power / Environmental

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

Ordering Options

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

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