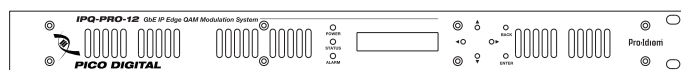


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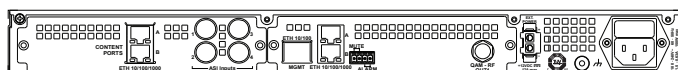


IPQ-PRO-12 GbE IP-Input Pro:Idiom™ Edge QAM System

- Accepts multiple program channels protected with DTCP on a GbE input, applies Pro:Idiom encryption to the content, and provides a combined QAM-RF output
- Supports 4 ASI inputs for additional programs and a second GbE input for expansion or redundancy
- Provides 12 QAM-RF channels organized as 3 independent blocks of 4 channels
- Provides 2 GbE port inputs or content and a 10/100 Base-T Ethernet port for configuration, control, and monitoring using SNMP and Telnet protocols plus an internal web page server to allow local or remote access using a standard PC internet browser. Web pages provide simple and easy navigation of all IPQ-PRO-12 status and configuration parameters, backed up by a full front panel menu system
- Automatically discovers any UPnP DISH receiver (VIP222/k) on its gigabit network to integrate the setup and configuration of the receivers into the IPQ-PRO-12's web pages. Downloads DISH data to allow clear programming selection by channel name or number with auto updating
- Automatically transfers receiver configuration to a standby receiver when a source receiver is no longer available
- Includes GbE (content side) DHCP IP Address server required to support DISH receivers
- Highly integrated within a 1 RU rack mount chassis with support for an external DC redundant power supply



Front View



Rear View

Specifications

GbE INPUTS

Input Connector Type	2 x RJ-45
Layer 1 Ethernet	GbE (1000Base-T)
Layer 2 Addressing/Protocols	Unicast, Multicast
MPEG Transport	IPv4 Encapsulated 13818-1 SPTS or MPTS pass-through

DVB-ASI INPUT

Input Connectors	4 x 75Ω BNC
Format	Per EN50053-9
Return Loss	-15dB

ETHERNET COMMUNICATION MANAGEMENT PORT

Input Connector Type	1 x RJ-45
Layer 2 Ethernet	10/100 Base-T
Layer 4 Protocol	TCP/IP

QAM-RF OUTPUTS

Output Frequency Range	50-1002 MHz
RF Channels	Twelve (6 or 8 MHz)
QAM Modulation Modes	16, 32, 64, 128, 256
QAM Types	ITU-A (DISH/DVB), ITU-B (USA/DCII)
QAM Symbol Rates	2.24~2.98, 4.85 to 7.0 Msps
PCR Re-Stamping	Auto

Output Level (effective, per channel)	>45 dBmV
(combined, 12 channels)	>32 dBmV
Output Attenuation	0-10 dB (0.5 dB step)
Output Level Flatness (50-1002 MHz)	±0.75 dB
Spurious	> 60 dBc
Output Connector	1 x 75Ω, F-Female
Output Return Loss	>15 dB

GENERAL

INTERNAL AC POWER SUPPLY

Line Voltage	93-254 VAC, 47-63 Hz
Power Consumption	40 W

EXTERNAL DC POWER BACKUP

Voltage	12VDC±5% VAC
Current	<6 A.

Ordering Information

IPQ-PRO-12	GbE IP-input Pro:Idiom™ Edge QAM System
X-PS	External Redundant Power Supply

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Application Diagram

