AMP500-432Q 32 Ch QAM Module

32 Channel QAM Modulating Module

AMP500 Series

- 512x2 IP input over UAMP/RTP, 2 GE Ports (RJ45/SFP)
- Supports 32 IP output over UAMP/RTP/RTSP
- Up to 840 Mbps/GE Port
- Supports 32 channels of multiplexing, scrambling, and modulation
- Maximum PID Remapping with 180 input per channel
- Supports PID remapping
- 16 non-adjacent carrier outputs
- Supports max 4 Simulcrypt CA
- Supports web management, updates via web
- Supports redundant power supply (Optional)

AMP500-432Q QAM module is an up-to-date modulating module to fit into the AMP500 advanced multimedia platform. With the unique ability to perform high density QAM modulation, the AMP500-432Q allows multiservice providers to deliver more digital video services today and to make a smooth migration to next generation architectures, enabling the delivery of on demand Video and advanced Data services.

It features 32 QAM (DVB-C) modulating channels, and supports a maximum of 1024 IP inputs through 2 x GE ports and 32 non-adjacent carrier (50 MHz to 960 MHz) outputs through a RF output interface. The device is also characterized with high integration level and high performance.

AMP500-432Q is highly adaptable to new generation CATV broadcasting systems. It offers unique features and a high degree of flexibility for cable operators and multimedia service providers to quickly deploy advanced digital video services while also laying the groundwork for future service additions.
**Key Features**

- 512×2 IP input over UAMP/RTP, 2GE Ports (RJ45/SFP)
- Supports 32 IP outputs over UAMP/RTP/RTSP, unicast/multicast, 2 GE Ports (RJ45/SFP)
- Max. 840 Mbps/GE Port Trans Rate
- Supports up to 6 modules (optional)
- Supports 32 channels of multiplexing, scrambling and modulation
- Maximum PID remapping with 180 inputs per channel
- Support PID remapping (automatically or manually), accurate PCR adjusting, generate PSI/ SI table automatically
- 16 non-adjacent carrier outputs within 192M bandwidth
- Supports up to 4 Simulcrypt CA
- Supports web management, updates via web
- Supports redundant power supply (Optional)
Specifications

Input
- Input: 512×2 IP input, 2 GE ports (RJ45/SFP)
- Transmission Rate: Max 840 Mbps for each GE port

MUX
- Input Channel: 1024
- Output Channel: 32
- Max PIDs: 180 per channel
- Functions: PID remapping (auto/manually optional), PCR accurate adjusting, PSI/SI table automatically generating

Scrambling
- Maximum Simulcrypt CA: 4
- Standard: ETR289, ETSI 101 197, ETSI 103 197
- Connection: Local/remote connection

Modulation Parameters
- Channel: 32 non-adjacent carriers
- Modulation Standard: EN300 429/ITU-T J.83A/B (DVB-C)
- Constellation: 16/32/64/128/256QAM
- Symbol Rate: 5.0 Msps to 7.0 Msps, 1 kps stepping
- FEC: RS (204, 188)

RF Output
- Interface: F-type output port for 16 non-adjacent carriers
- RF Range: 50 MHz to 960 MHz, 1kHz stepping
- Output Level: -20 dBm to +10 dbm (87 dBµV to 117 dBµV), 0.1 db step for all carriers
- MER: ≥ 40 dB
- System: Web-based network management

Ordering Information

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