32 Channel QAM Modulating Module

AMP500 Series

- **512×2 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 × 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 provides 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 ksps 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

Product Name	**Product Description**
AMP500-432Q	32 QAM Modulating Module

Contact Information

Ascent Communication Technology Ltd

AUSTRALIA
140 William Street, Melbourne
Victoria 3000, AUSTRALIA
Phone: +61-3-8691 2902

CHINA
Unit 1933, 600 Luban Road
200023, Shanghai CHINA
Phone: +86-21-60232616

EUROPE
Pfarrer-Bensheimer-Strasse 7a
55129 Mainz, GERMANY
Phone: +49 (0) 6136 926 3246

HONG KONG SAR
Unit 9, 12th Floor, Wing Tuck Commercial Centre
177 Wing Lok Street, Sheung Wan, HONG KONG
Phone: +852-2851 4722

USA
2710 Thomes Ave
Cheyenne, WY 82001, USA
Phone: +1-203 816 5188

VIETNAM
15 /F TTC Building, Duy Tan Street
Cau Giay Dist., Hanoi, VIETNAM
Phone: +84 243 795 5917

WEB: www.ascentcomtec.com

EMAIL: sales@ascentcomtec.com

Specifications and product availability are subject to change without notice.

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