

“In today’s fast-paced, market, Digital television is a new way to broadcast the future. Digital Set Top Boxes have become a key component allowing people to access many services offered by the cable operator”

Modulators

IP QAM Modulator AD-3660/B/16

The AD-3660/B/16 IP QAM Modulator converts TCP/IP multicast/unicast input data streams into Radio Frequency (RF) signals. The AD-3660/B/16 supports multiple simultaneous independent 8MHz and 6MHz bandwidth modulations. The converted RF signals are mixed with other relevant analog signals or QAM signals for network distribution.

The signal includes MPEG-2/4 streams, digital broadcast, VOD, and other digital signals such as video conference, Internet and IP phone communications. The AD-3660/B/16 IP QAM modulator can be agile-frequency configured by the operator under HFC, MMDS or broadband digital system and brings modern digital services to customers in remote areas.

Features

- Supports a large buffer memory design which improves code stream uniformity and reliability
- Multiple simultaneous independent or multiplexed frequency signal outputs
- DVB-C standards compliant
- Gigabit Ethernet stream input interfaces
- FEC functions can correct multiple input streams efficiently and accurately
- Modular design for RF frequency output Multicast and Unicast input stream support
- PSI/SI information tables parse, modification, replacement, and retransmission
- On-screen and front panel failure and warning alarm notification.
- Support for over 44 frequency NIT mapping and transmission
- Self-adapting filtering circuit design to maximize reliability and availability ITU-T J.83A and B standards compliant
- -20dB monitoring interface with IF output
- LCD display
- Null data input filtering and stuffing data output stuffing
- Auto-identification of 188/204 packet data TCP/IP
- Ethernet interface for remote maintenance, configuration, and monitoring
- Non-volatile configuration memory
- 8 PID filtering and re-mapping
- Real-time monitoring and display of current and pre-configured stream bitrate
- IPQAM (Sixteen Outputs)

WE IDENTIFY THE BEST TECHNOLOGIES TO FIT YOUR GOALS AND BUDGET. WE THEN ENSURE THOSE TECHNOLOGIES CONTINUE TO WORK WELL INTO THE FUTURE.

Modulators

IP QAM Modulator AD-3660/B/16

Technical specification

QAM modulator

Constellation: 64QAM to 256QAM
Symbol ratio: 1-7MbaudS
Encode: RS encode
MER: ≥ 36 dB
Data rate: 56Mbps

Input Data Interface

Network interface: RJ-45 TCP/IP Gigabit Ethernet

Intermediate Frequency (IF)

IF output format: optional
IF output: 35.25/36.15/36.65/44MHz
Output level: 100dBuV
Impedance: 50 Ω

Radio Frequency output specification

Frequency range: 48-860MHz
Output level: 50-60 dBmV
Phase noise: >95 dBc@10KHz
Impedance: 75 Ω

Monitoring Interface

Network interface: RJ-45 TCP/IP Ethernet

Physical characteristics

Dimension: 44.5mm (1U)*483mm*(19")*400mm
Weight: 4kg

Power supply

AC100-220V+10 - 50/60Hz -20W

Working Temperature

Operation: 0 – 40C°
Storage: -20 - 80 C°

