

# BM8723

## Advanced QAM Modulator



### DESCRIPTION

The BM8723 is the latest generation mux-modulating all-in-one device. A single module supports up to 512 IP (MPTS/SPTS) input and 32 carriers output as well as 32 IP output after multiplexing (RF output for local transmission and IP output for remote sub-head end). It adopts the slot structure with one device supporting maximum 3 modules. Each module can work standalone. With its powerful performance and low cost, BM8723 is especially adequate for the new generation CATV system.

### SPECIFICATION

#### Input

Interface	2 GE(RJ45) or 1 SFP input port , hot backup
Transport Protocol	TS over UDP, RTP,unicast and multicast, IGMP v2 / v3
Transmission Code	Max 840 Mbps for every GE input

#### Multiplexer

Input Channel	512 per Module
Output Channel	32 per Module
Max PIDs	256 per channel
Functions	PID remapping (auto / manually optional) PCR accurate adjusting

### FEATURES

- Compliant to DVB-C (EN 300 429) and ITU-T J.83 Annex B
- 2 GE input per module, RJ45 interface or SFP, max 840Mbps for every GE input
- Supports up to 512 channels TS over UDP,RTP input (MPTS/SPTS)
- Supports unicast and multicast, supports IGMP v2/v3
- Supports accurate PCR adjusting
- Supports up to 256 PIDs remapping per channel
- Supports multiplexed over UDP and RTP/RTSP output
- 32 QAM carriers output per module, adjustable carrier frequency output within 768 MHz
- Supports RS (204, 188) encoding
- Excellent RF performance, MER ≥ 40dB
- Support Web-based NMS management
- Modular design, 1RU chassis supports up to 3 modules
- Dual Power Supply

#### QAM Modulation

QAM Channel	32 per Module
Modulation Standard	EN300 429 / ITU-T J.83B
Symbol Rate	1.7~7.25 Msps , 1 kbps stepping
Constellation	16、32、64、128、256QAM
FEC	RS (204, 188)

#### RF Output

Interface	1 F typed output port for 32 carriers, 75Ω impedance
RF Range	48~960MHz , 1kHz stepping
Output Level	-16dBm~6dBm (output IP from one F type) , 0.5dB stepping
MER	≥ 40dB
ACLR	-60 dBc

#### System

Support Web-based NMS Management
IP Output Protocol: UDP,RTP/RTSP

#### General

Demission (WxLxH)	630Mm×440Mm×44.5mm
Weight	9.0 kgs
Temperature	0~45°C (operation) , -20~80°C (storage)
Power Supply	AC 100V ±10% or 220V ±10% , 50/60Hz
Consumption	15.4W

