

MIE 32-00 IPQAM



- ✓ Modular system, includes 2 modules
- ✓ Two redundant IPTV inputs (900 Mbps) per module
- ✓ Supports SPTS and MPTS (also mixed)
- ✓ Transmodulates max. 512 input streams in 2 × 16 DVB-C (J.83 Annex A/C) or 2 × 12 DVB-T output channels
- ✓ Re-Multiplexing and PID Filtering
- ✓ Program duplication
- ✓ Device redundancy configurable (software extension required)
- ✓ OTA upgrade e.g. for Set Top Boxes possible
- ✓ Interface for CASimulcrypt Server (software extension required)
- ✓ Class A according to EN 50083-2
- ✓ Web-based configuration, suitable for AXING SMARTPortal
- ✓ Supports SNMPv1 and SNMPv2c
- ✓ 2 × redundant power supply units
- ✓ 19" housing, 1RU

Order information

Type	MIE 32-00
Order no.	MIE03200
GTIN	7611682007220
PE	1
VE	1
EU customs tariff number	85176990

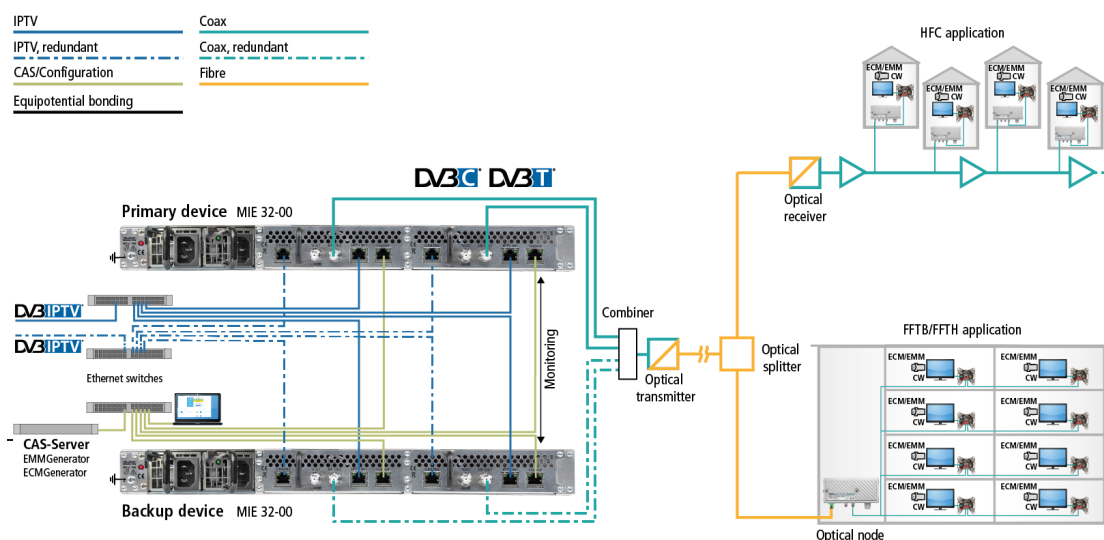


Technical data

IPTV input	
Supported input transport streams	SPTS, MPTS (CBR/VBR)
Max. number (out of SPTS or MPTS)	2 × 512
Supported protocols	IP V4; UDP; RTP; IGMP v2, v3
Total net data rate	2 × 900 Mbps
Transportstreams	
Modifiable program information	Program name, SID remapping, PID filtering, TSID, ONID
PCR correction	automatic, adaptive, <500 ns
LCN	Yes
NIT handling @ DVB-C	auto manual off
EPG regeneration	Yes
Encryption	DVB-CSA* DVB-CISSA* ATIS-IDSA* AES-ECB* AES-CBC*
Output	
Number of channels	2 × 16 DVB-C 2 × 12 DVB-T
Frequency range	109...1006 MHz @ DVB-C 109...862 MHz @ DVB-T
Channels selectable	S2...K87 @ DVB-C S2...K69 @ DVB-T
Channel bandwidth	7/8 MHz @ DVB-T
Possible frequency shift	-4...+4 MHz (0.5 MHz steps)
Connector	2 × F-female
Test port	2 × F-female (-30 dB)
Impedance	75 Ω
Output level adjustable	80...105 dBμV @ DVB-C 77...102 dBμV @ DVB-T
Output modulation	
Compliance	EN 50083-9 ETSI TS 101 154 ETSI EN300 429 ETSI EN 300 744 ITU-T J.83A/C
Type	QAM32, QAM64, QAM128, QAM256 @ DVB-C QPSK, QAM16, QAM64 @ DVB-T
Supported output formats	MPEG-2/H.262, MPEG-4/H.264 and HEVC/H.265
MER	≥ 40 dB @ DVB-C ≥ 36 dB @ DVB-T
BER	≥ 9x10 ⁻⁹
Roll off	15 %

Shoulder attenuation	≥ 56 dB
C/N	≥45 dB
Reflection	>14 dB
Bit rate, max	50.87 Mbps @ DVB-C 31.668 Mbps @ DVB-T
FFT	2K mode @ DVB-T
FEC	1/2, 2/3, 3/4, 5/6, 7/8 @ DVB-T
Guard interval	1/4, 1/8, 1/16, 1/32 @ DVB-T
Symbol rate	1...7.5 MBaud/s
Interfaces	
IPTV input	2 × RJ45
CAS/IPTV (redundant)	2 × RJ45
Compliance IPTV/CAS interfaces	IEEE 802.3, 1000 Base-T (GigE)
Control/CAS	2 × RJ-45
Compliance Control/CAS	IEEE 802.3, 10/100 Base-T
Software control and upgrading	Via Remote Access
Supported configuration protocols	HTTP, SNMP v1, SNMP, v2c, AXING SMARTPortal**
General	
Operating voltage	100...240 VAC/50...60 Hz 48 VDC
Power consumption	60 W
Redundant power supply	2 × Hot pluggable
Equipotential bonding connection	4 mm ²
Operating temperature range (acc. to EN 60065)	-10°C...+50°C
Storage temperature range (acc. to EN 60065)	-20 °C...+80 °C
Dimensions (W × H × D) appr.	480 × 43 × 275 mm
Weight	3.670 kg
Comments	* with software extension MKS 1-02 only ** encrypted, cloud-based application for configuration, monitoring and remote maintenance

Example of use



Suitable products

MIS 1-11 Software extension for MIE device redundancy

MKS 1-02 Software extension for CASimulcrypt