MIE 48-00N IPQAM | 48 × DVB-C/-T

- ✔ Modular EdgeQAM 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 × 24 DVB-C (J.83 Annex A/C) or 2 × 24 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)
- ✔ Web-based configuration, suitable for AXING SMARTPortal
- ✔ Supports SNMPv1 and SNMPv2c
- ✔ 2 × redundant power supply units (also available as 36...60 VDC version)
- ✔ 19" housing, 1RU

Order information

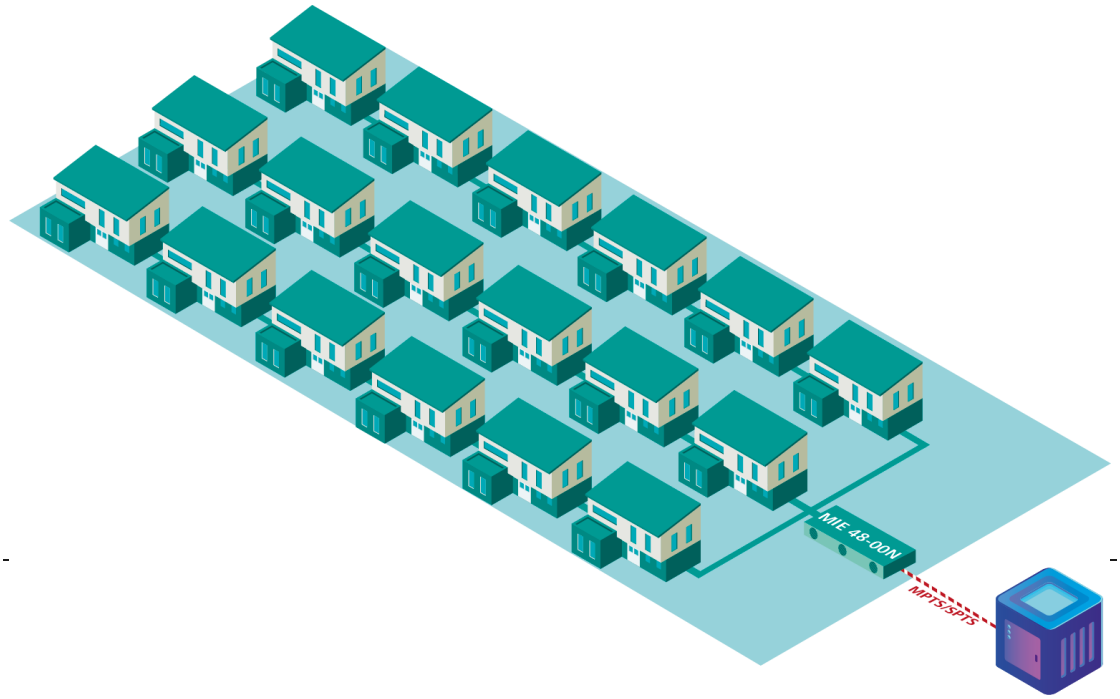
Type	MIE 48-00N
Order no.	MIE04800N
GTIN	7611682400038
PE	1
VE	1
EU customs tariff number	85176990

Technical data

IPTV input	
Max. number (out of SPTS or MPTS)	2 × 512
Total net data rate	2 × 900 Mbps
Transportstreams	
Modifiable program information	Programmname, SID-Remapping, PID-Filtering, TSID, ONID
PCR correction	automatisch, adaptiv, <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 × 24 DVB-C 2 × 24 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	1 × F-female
Test port	1 × F-female (–30 dB)
Impedance	75 Ω
Output level adjustable	82…102 dBµV @ DVB-C 79…99 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	< 9 x 10-9
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	
Ethernet connectors	4 x RJ45
Ethernet standards	IEEE 802.3, 100 Base-T @ Control IEEE 802.3, 1000 Base-T /1 GbE @ IPTV IN1, IPTV IN2, CAS
Supported configuration protocols	HTTP, SNMP v1, SNMP v2c, AXING SMARTPortal**
General	
Operating temperature range (acc. to EN 60065)	–10°C…+50°C
Storage temperature range (acc. to EN 60065)	–20 °C…+80 °C
Operating voltage	100…240 VAC/50…60 Hz
Switching power supply	2 (redundant)
Power consumption	30 W
Equipotential bonding connection	4 mm2
Dimensions (W × H × D) appr.	480 × 43 × 275 mm
Weight	3.700 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 module redundancy
MKS 1-02 Software extension for CASimulcrypt