

## MIE 1-16N Compact EdgeQAM | 16 × DVB-C/12 × DVB-T



- ✓ EdgeQAM system in a compact housing
- ✓ One IPTV input (900 Mbps)
- ✓ Supports SPTS and MPTS (also mixed)
- ✓ Transmodulates max. 512 SPTS or 16 MPTS in 16 × DVB-C (J.83 Annex A/C) or 12 × DVB-T output channels
- ✓ Re-Multiplexing and PID Filtering
- ✓ Web-based configuration, suitable for AXING SMARTPortal
- ✓ Supports SNMPv1 and SNMPv2c
- ✓ Housing for wall mounting
- ✓ External power supply unit included

### Order information

Type	MIE 1-16N
Order no.	MIE00116N
GTIN	7611682400427
PE	1
VE	1
EU customs tariff number	85176990



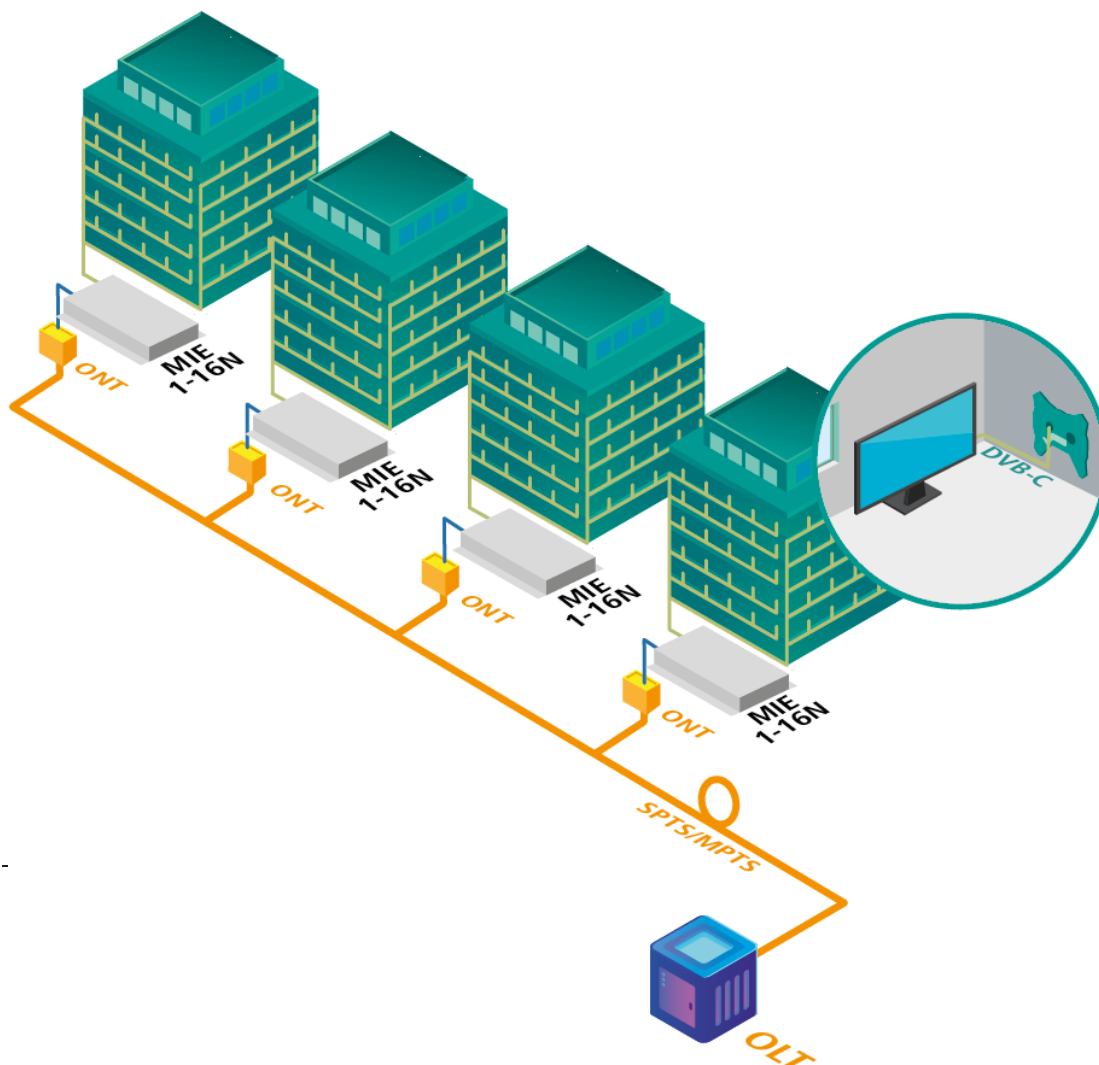
### Technical data

#### IPTV input

Max. number (out of SPTS or MPTS)	512
Total net data rate	1 × 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	16 DVB-C 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	1 × F-female
Test port	1 × 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	< 9 × 10 <sup>-9</sup>
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
<b>Interfaces</b>	
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**
<b>General</b>	
Operating temperature range (acc. to EN 60065)	-10°C...+50°C
Storage temperature range (acc. to EN 60065)	-20 °C...+80 °C
Operating voltage	12 ... 16 VDC
Power consumption	35 W
Equipotential bonding connection	4 mm <sup>2</sup>
Dimensions (W × H × D) appr.	179 × 50 × 274
Weight	1.110 kg
<b>External accessories</b>	
Switching power supply	100 ... 240 VAC/50 ... 60 Hz   16 VDC/3.5 A
<b>General</b>	
Comments	* with software extension only ** encrypted, cloud-based application for configuration, monitoring and remote maintenance

## Example of use





## Suitable products

[MKS 1-00 Software extension to edit a NIT](#)

[MKS 1-01 Software extension for PID filtering](#)

[MIS 1-11 Software extension for MIE module redundancy](#)

[MKS 1-02 Software extension for CASimulcrypt](#)