

**MIE 816-02N IP to 8 × DVB-T2 | 16Kext | 50.35 Mbps**



- ✓ Modular system, includes 1 module
- ✓ Two redundant IPTV inputs (900 Mbps)
- ✓ Supports SPTS and MPTS (also mixed)
- ✓ Transmodulates max. 512 input streams in 8 DVB-T2 output channels
- ✓ FFT max. 16Kext | Bitrate max. 50.35 Mbps
- ✓ Re-Multiplexing and PID Filtering
- ✓ Program duplication
- ✓ Device redundancy configurable\*\*
- ✓ OTA upgrade e.g. for Set Top Boxes possible
- ✓ Interface for CASimulcrypt Server\*
- ✓ Web-based configuration, suitable for AXING SMARTPortal
- ✓ Supports SNMPv1 and SNMPv2c
- ✓ Two redundant power supply units (also available as version with 36 ... 60 VDC)
- ✓ 19" housing, 1RU

**Order information**

Type	MIE 816-02N
Order no.	MIE81602N
GTIN	7611682400120
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
EPG regeneration	Yes
Encryption	DVB-CSA*   DVB-CISSA*   ATIS-IDSA*   AES-ECB*   AES-CBC*
Output	
Number of channels	1 × 8 × DVB-T2
Frequency range	114 ... 1006 MHz
Channels selectable	D114 ... D1002
Channel bandwidth	7/8 MHz
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	88 ... 105 dBμV
Output modulation	
Compliance	DVB-T2 (EN 302 755, mode A (single PLP)) EN 50083-9   ETSI TS 101 154   ETSI EN 300 429   ETSI EN 300 744
L1 post signalling	BPSK, QPSK, 16-QAM, 64-QAM
Type	QPSK, 16-QAM, 64-QAM, 256-QAM
Supported output formats	MPEG-2/H.262, MPEG-4/H.264 and HEVC/H.265
MER	> 43 dB
BER	< 9 × 10 <sup>-9</sup>
Shoulder attenuation	> 56 dB
C/N	> 45 dB
Reflection	< -14 dB
Bit rate, max	50.35 Mbps
FFT	1k, 2k, 4k, 8k, 16k mode (ext)

FEC type	BCH, LDPC
FEC length	16200, 64800
FEC	1/2, 3/5, 2/3, 3/4, 4/5, 5/6
Pilot pattern	PP1 ... PP11
Guard interval	1/4, 1/8, 1/16, 1/32
<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	100 ... 240 VAC / 50 ... 60 Hz
Switching power supply	2 (redundant)
Power consumption	30 W
Equipotential bonding connection	4 mm <sup>2</sup>
Dimensions (W x H x D) appr.	480 x 43 x 275 mm
Weight	3.150 kg
Comments	* with software extension MIS 1-11 only ** * with software extension MKS 1-02 only *** encrypted, cloud-based application for configuration, monitoring and remote maintenance

## Suitable products

[MIM 816-02N Extension module for MIE 816-02N](#)

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

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