MK 8-12C Ultra Compact Headend | CI



- ✔ 4 inputs for Quattro, Quad or Single cable LNB
- ✔ With integrated multiswitch
- ✔ Single cable reception I and II possible
- ✔ Transmodulates 8 × DVB-S/S2/S2X into 8 × DVB-C/-T
- ✔ Alternative IPTV output (software extension required)
- ✔ Remux | Crossmultiplex
- ✔ Decryption of encrypted program packages possible via CA modules (also high-speed modules)
- ✔ Flexible and efficient mapping of programs to CA modules
- ✔ IPTV output optional via software extension
- ✔ NIT editing option (software extension required)
- ✔ PID Filtering (software extension required)
- ✔ Interface for CASimulcrypt Server (software extension required)
- ✔ Suitable for AXING FRAME EDGE (software extension required)
- ✔ Web-based configuration
- ✔ Suitable for AXING SMARTPortal (software extension required)
- ✔ Supports SNMPv1 and SNMPv2c
- ✔ Very compact housing for wall mounting
- ✔ External power supply unit included

Order information

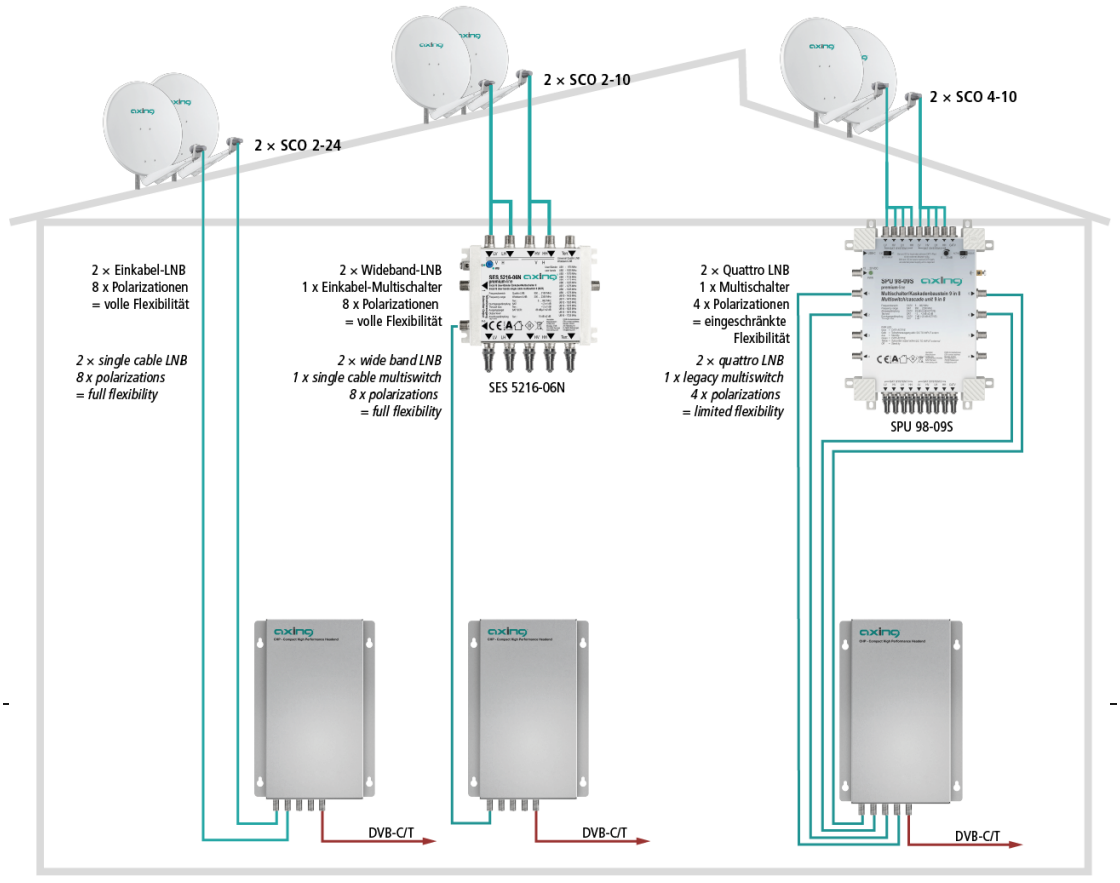
Type	MK 8-12C
Order no.	MK00812C
GTIN	7611682401837
PE	1
VE	1
EU customs tariff number	85256000

Technical data

Inputs	
Number	4
Number of tuners	8 × DVB-S/S2/S2X
Connector	4 × F-female
Frequency range	950 … 2150 MHz @ DVB-S/S2/S2X
Input level	43 … 84 dBµV @ DVB-S/S2/S2X
LNB voltage	13/17 V; 22 kHz on/off; DiSEqC 1.x
Max. LNB current	250 mA per input 500 mA per device
CI slots	2
Input modulation	
Type	QPSK/8PSK/8APSK/16APSK/32APSK @ DVB-S/S2/S2X
Compliance	DVB-S = EN 300 421 DVB-S2 = EN 302 307-1V1.4.1 DVB-S2X = EN 302 307-2V1.1.1
Supported input transport streams	MPEG-2 ISO/IEC 13818 | MPEG-4 ISO/IEC 14496
Symbol rate	1.5 … 45 MS/s (< 40 MS/s in 32APSK) @ DVB-S/S2/S2X
Transportstreams	
Modifiable program information	Program name, SID remapping, PID remapping, PID filtering* TSID, ONID
LCN	Yes
NIT handling @ DVB-C	auto | off | manual*
Encryption	DVB-CSA*, DVB-CISSA*, ATIS-IDSA*, AES-ECB*, AES-CBC*
Output	
Number of channels	8 × DVB-C/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
Possible frequency shift	-4…+4 MHz (0.5 MHz steps)
Output level	75 … 95 dBµV
Connector	1 × F-female

Impedance	75 Ω
Output modulation	
Compliance	DVB-T (EN 300 744) DVB-C (EN 300 429/ITU-TJ.83 Annex A/C)
Type	QAM32, QAM64, QAM128, QAM256 @ DVB-QAM32, QAM64 @ DVB-T
MER	≥ 40 dB @ DVB-C ≥ 36 dB @ DVB-T
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 @ DVB-C
IP output	
Transportstreams	512 × SPTS | 8 × MPTS
Total net data rate	900 Mbps
Data rate per tuner	125 Mbps
Supported protocols	UDP, RTP, HTTP, HTTPS
Supported transport protocols	UDP
Supported application protocols	RTP
General	
Operating temperature range (acc. to EN 60065)	–10 °C … +50 °C
Power consumption	30 W
Equipotential bonding connection	4 mm²
Dimensions (W × H × D) appr.	175 × 270 × 43 mm
Weight	1.200 kg
External accessories	
Switching power supply	100 … 240 VAC/50 … 60 Hz

Example of use



Suitable products

MKZ 1-04 19" front panel for MK 8-1xC
MKS 1-00 Software extension to edit a NIT
MKS 1-01 Software extension for PID filtering
MKS 1-03C Software extension for IPTV output
MKS 2-812C Software extension for SMARTPortal
MKS 8-16 Software extension from 8 to 16 output modulators