

MK 8-06I Hybrid headend | 8 × DVB-S/T/C in DVB-C/T/IPTV | CI



- ✓ 8 independent multituner inputs
- ✓ Transmodulates 8 × DVB-S/S2/S2X/T/T2/C into 8 × DVB-C/-T or 512 × SPTS or 8 × MPTS (for IPTV software extension required)
- ✓ Output modulation configurable
- ✓ Optimized capacity management
- ✓ Remux | Crossmultiplex
- ✓ Decryption of encrypted program packages possible via CA modules (also high-speed modules)
- ✓ Flexible and efficient mapping of programs to CA modules
- ✓ NIT editing option (software extension required)
- ✓ PID Filtering (software extension required)
- ✓ Interface for CASimulcrypt Server (software extension required)
- ✓ Web-based configuration, remote maintenance (SMARTPortal)
- ✓ Supports SNMPv1 and SNMPv2c
- ✓ Can be used for wall mounting or as a 19" unit

Order information

| | |
|--------------------------|---------------|
| Type | MK 8-06I |
| Order no. | MK00806I |
| GTIN | 7611682009965 |
| PE | 1 |
| VE | 1 |
| EU customs tariff number | 85256000 |

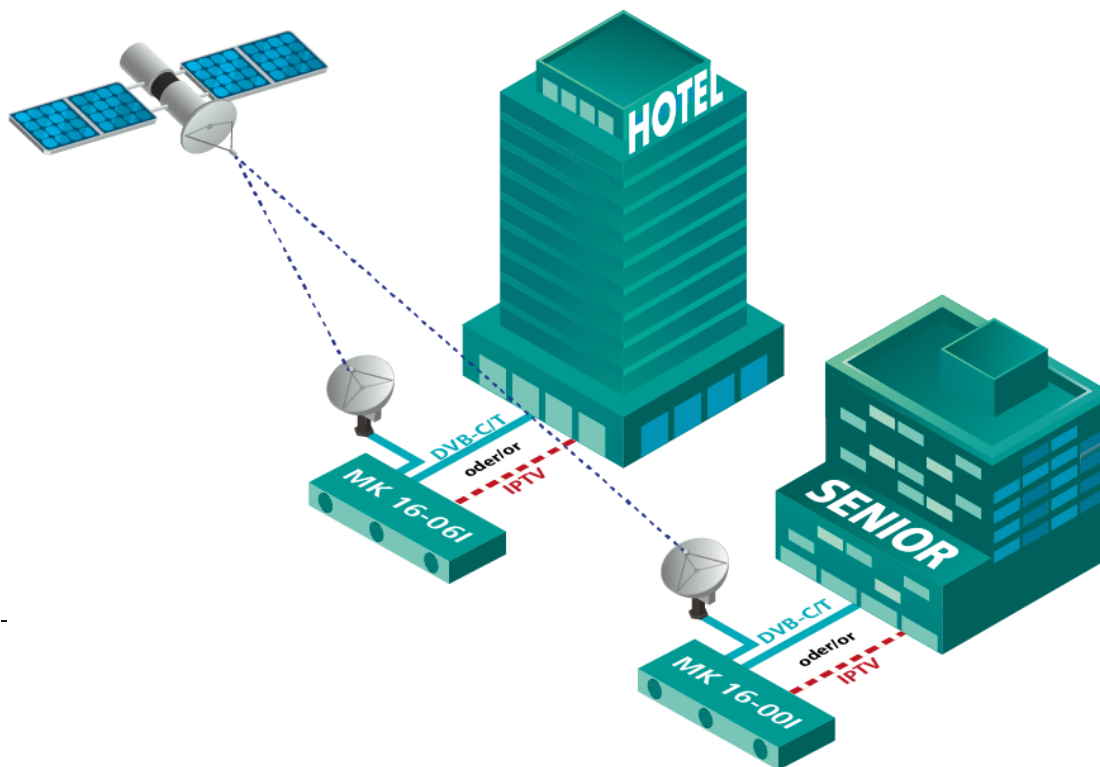


Technical data

| Inputs | |
|-----------------------------------|---|
| Number of tuners | 8 × DVB-S/S2/S2X/T/T2/C |
| Connector | 8 × F-female |
| Frequency range | 900 ... 2150 MHz @ DVB-S/S2/S2X 50 ... 898 MHz @ DVB-C 50 ... 898 MHz @ DVB-T/T2 |
| Channel bandwidth | 5/6/7/8 MHz @ DVB-T/T2 |
| Input level | 43 ... 84 dBμV @ DVB-S/S2/S2X 49 ... 84 dBμV @ DVB-C 39 ... 84 dBμV @ DVB-T/T2 |
| LNB voltage | 13/17 V; 22 kHz on/off; DiSEqC 1.0 |
| Max. LNB current | 250 mA per input 1000 mA per device |
| CI slots | 6 |
| Input modulation | |
| Type | QPSK/8PSK/16PSK/32PSK @ DVB-S/S2/S2X QAM16, QAM32, QAM64, QAM128, QAM256 @ DVB-C QPSK, QAM16, QAM64 @ DVB-T QPSK, QAM16, QAM64, QAM256 @ DVB-T2 |
| Compliance | DVB-S = EN 300 421 DVB-S2 = EN 302 307-1V1.4.1 DVB-S2X = EN 302 307-2V1.1.1 DVB-C = EN 300 429/ITU-TJ.83 Annex A/C DVB-T = EN 300 744 DVB-T2 = ETSI EN 302 755 |
| Supported input transport streams | MPEG-2 ISO/IEC 13818 MPEG-4 ISO/IEC 14496 |
| Error correction | auto |
| Symbol rate | 1.5 ... 45 MS/s (< 40 MS/s in 32APSK) @ DVB-S/S2/S2X 1 ... 7.2 Mbaud @ DVB-C |
| 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 @ 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 ... 100 dBμV @ DVB-C 77 ... 98 dBμV @ DVB-T |
| Output modulation | |
| Compliance | DVB-T (EN 300 744) DVB-C (EN 300 429/ITU-TJ.83 Annex A/C) |
| Type | QAM16, QAM32, QAM64, QAM128, QAM256 @ DVB-C QPSK, QAM16, 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 transport protocols | UDP |
| Supported application protocols | RTP |
| Interfaces | |
| Ethernet connectors (LAN) | 2 × RJ 45 |
| Ethernet standards | IEEE 802.3, 100 Base-T @ Control IEEE 802.3, 1000 Base-T /1 GbE @ IPTV OUT |
| Supported configuration protocols | HTTP, SNMP v1, SNMP v2c, AXING SMARTPortal** |
| General | |
| Operating voltage | 100 ... 240 VAC/50 ... 60 Hz |
| Power consumption | 60 W |
| Equipotential bonding connection | 4 mm ² |
| Operating temperature range (acc. to EN 60065) | -10 °C ... +50 °C |
| Dimensions (W × H × D) appr. | 480 × 253 × 47 mm |
| Weight | 2.800 kg |
| 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](#)
- [MKS 1-02 Software extension for CASimulcrypt](#)
- [MKS 1-03I Software extension for IPTV output](#)
- [MKS 8-16 Software extension from 8 to 16 output modulators](#)
- [MKZ 1-01 Front panel for 19" usage | 6 × CI](#)