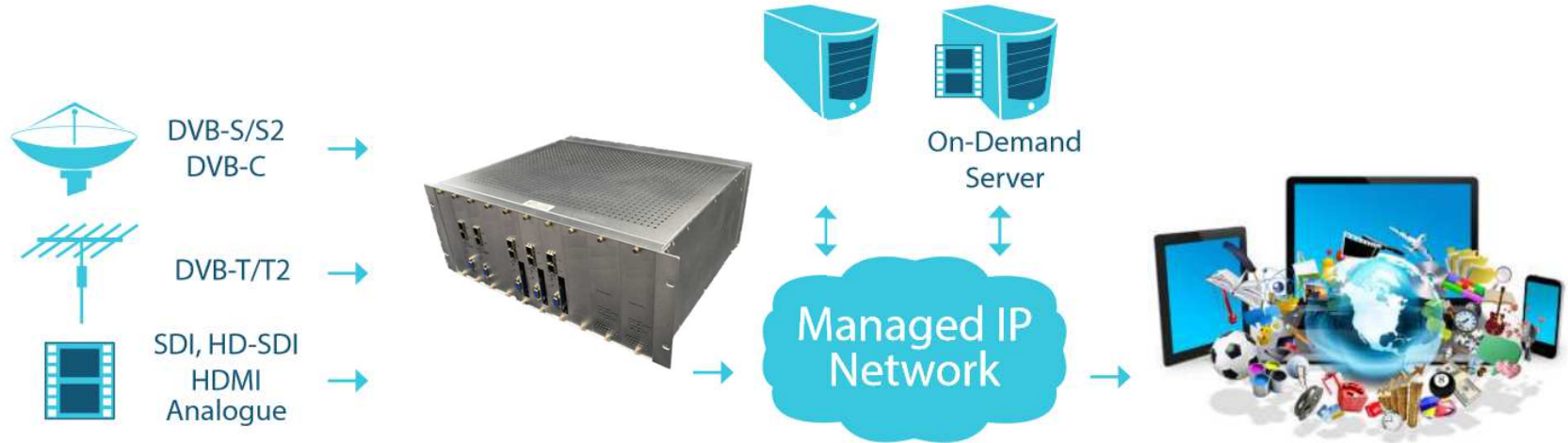
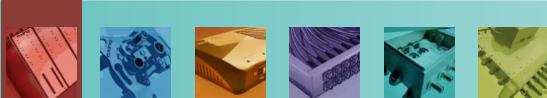


AXING Headend Technology



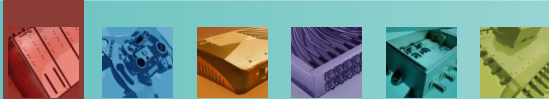
Product Overview

- Modular cassette-based IPTV and CATV headend platform
- Cost-effective and flexible DVB gateway
- MPEG encoding solution
- 4RU 19" chassis for 8 cassettes
 - Dual hot-swappable redundant PSU
- 1RU 19" chassis for 2 cassettes
- Remote configuration
- HTML user interface



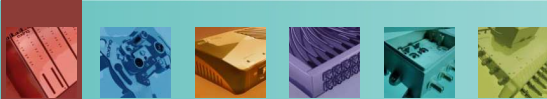
Main Features

- DVB-S/S2, DVB-T2 receiver cassettes with and without CAM-slots
- Encoders with HDMI-, and HD-SDI inputs
- Web Remote Control
- HTML user interface
- Hot-swappable media cassettes
- Intelligent cooling system
- Stand-alone function of each cassettes
- Software backward compatibility
- On site software update through IP



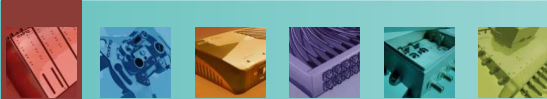
4RU 19" chassis | SKS 80-10

- Standard 4 RU 19" chassis
- 8 slots for cassettes
- 2 slots for redundant Power Supplies
- Desktop or Rack mounted
- Power Supply: 100 ... 260 VAC, 50 ... 60 Hz
- Dimensions: L=388 mm, W=442 mm, H=177 mm (4U)



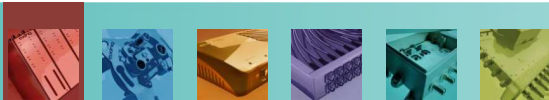
1RU 19" chassis | SKS 20-10

- Standard 1 RU 19" chassis
- 2 slots for cassettes
- 1 slot for Power Supplies
- Desktop or Rack mounted
- Power Supply: 100 ... 260 VAC, 50 ... 60 Hz
- Dimensions: L=386 mm, W=436 mm, H=44.5 mm (1U)



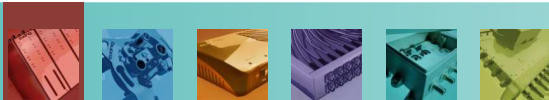
Quad DVB-S2 cassette | SKI 20-12 (1)

- SD/HD MPEG-2 and MPEG-4/H.264 Digital Video decoding
- Twin-tuner design, wide tuner options from DVB-S2/S
- 2x DVB-CI slots, Multi Programs, BISS 1 and BISS E decryption
- Support services re-mux/filter and 204/188 transfer
- UDP/RTP & Unicast/Multicast SPTS and MPTS over IP I/O
- Support VBI TELETEXT, EBU/ DVB Subtitle, Closed Caption
- Dynamic PMT detection and automatic updating
- Multiple Analog and Digital Outputs, ASI, CVBS, HDMI, TS/IP
- Support NTP(Network Time Protocol)
- Remote Control and Supervision by HTTP WEB
- RSSI, received Eb/No & BER monitoring
- Quick upgraded via USB port, or network



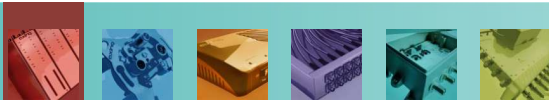
Quad DVB-S2 cassette | SKI 20-12 (2)

- Connector Type 2xF type female 75Ω for Input
- Input Frequency Range 950 ... 2150 MHz
- Input Level -25 ... -65 dBm
- Symbol Rate 2 ... 45 MBaud
- Roll-off Factor DVB-S QPSK: 0.35
- DVB-S2 8PSK: 0.35, 0.25, 0.2
- FEC Code Rate DVB-S QPSK: 1/2, 2/3, 3/4, 5/6, 7/8
- DVB-S2 QPSK: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
- DVB-S2 8PSK: 3/5, 2/3, 3/4, 5/6, 8/9, 9/10
- LNB Polarity Selection Voltage 0, 13V, 18V selectable
- LNB Band Selection Tone 0/22 KHz selectable
- Satellite Selection Command DiSEqC 1.0



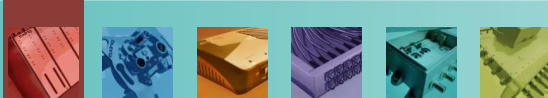
Quad DVB-T2 cassette | TKI 40-10 (1)

- Multiple inputs DVB-T/T2
- 4 independent tuners on board (T/T2 selection ganged across all receivers)
- 2 ASI outputs and TS over IP output
- Built-in TS processor for service and PID filtering or remux
- TS over IP support UDP/RTP protocol and SPTS or MPTS mode
- TS over IP output support Multicast/Unicast, max 32 channels multicast
- Web remote management and SNMP supervision
- Software update via Ethernet port



Quad DVB-T2 cassette | TKI 40-10 (2)

- Connector Type 4xF type female 75 Ω for Input
- Input Frequency 104 ... 862 MHz (VHF/UHF)
- Input Level -20 ... -70dBm
- Constellation DVB-T: QPSK, 16QAM, 64QAM
- DVB-T2: QPSK, 16QAM, 64QAM, 256QAM
- Bandwidth 6MHz, 7MHz, 8MHz
- FFT Mode DVB-T: 2K/8K
- DVB-T2: 1K, 2K, 4K, 8K, 16K, 32K
- Guard Interval DVB-T: 1/4, 1/8, 1/16, 1/32
- DVB-T2: 1/4, 5/32, 1/8, 5/64, 1/16, 1/32, 1/64, 1/128
- FEC Code Rate DVB-T: 1/2, 2/3, 3/4, 5/6, 7/8
- DVB-T2: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6
- Input Return Loss 7dB (typical)



TS over IP

- Connector Type 1xRJ--45, 10/100 Base-T for TS/IP
- Effective Bit Rate 70Mb/s for 10/100 Base-T
- Protocol UDP/RTP, Multicast/Unicast, IGMPv2, ARP
- Multicast Channel 32 Max.

