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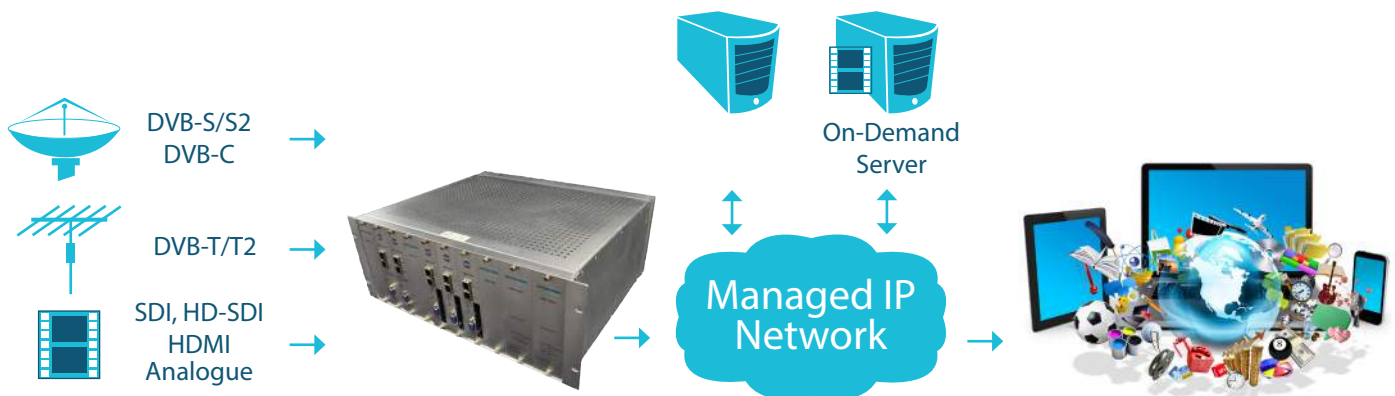
PRODUCT FEATURES

The OMM-2400 series is a modular blade-based IPTV and CATV headend platform. It is the most cost-effective and flexible DVB gateway and MPEG encoding solution found on the market today. Different DVB and MPEG encoding input blades can be mixed and matched together to make up a complete headend solution meeting your specific requirements.

The OMM chassis can hold and operate up to eight gateway blades (or encoders) in only 4RU, while fully equipped with redundant power supplies.

Every OMM-2400 blade is controlled remotely and independently via remote control software over the network. Each blade is equipped with a dedicated 10/100 Base-T Ethernet interface for management and does not depend on additional control modules.

- DVB-S2/-S/-T/-C standards supported
- CAM slots support CI and CI+
- Compatible with many pay-TV services
- MPEG-2 SD and H.264 SD/HD encoding
- SDI, HD-SDI, HDMI and Analogue video inputs
- Hot-swap modules
- MPTS or SPTS Streaming
- IP output with UDP/RTP, Unicast/Multicast
- Management via HTTP, SNMP and remote software
- Temperature-controlled cooling system
- Non-volatile settings memory
- SDI & analogue AV output for signal monitoring
- Additional ASI Input and Output
- DVB Multiplexing functionality



TECHNICAL SPECIFICATIONS

TUNER

DVB-S2

Input freq. range	950~2150MHz
Input level	65~-25dBm
Input impedance	75Ω
Input interface	F female
Symbol rate	5~45Msps for QPSK; 10~31MSPS for 8PSK
Roll off factor	0.35 for DVB - S 0.35,0.25,0.2 for DVB-S2

FEC Puncture rate	DVB-S2 QPSK:1/2,3/5,2/3,3/4,4/5, 5/6,8/9,8/10 DVB-S2 8PSK:3/5,2/3,3/4,5/6,8/9,9/10 DVB-S: 1/2,2/3,3/4,5/6,8/9,9/10
LNB power supply	0,13V,18V switchable
LNB selection tone	0/22KHz switchable

DVB-C

Input freq. range	48~860MHz
Symbol Rate	2~7Mbps
Constellation	64/128/256 QAM, J.83 Annex A or B
FEC puncture rate	1/2, 2/3, 3/4, 5/6, 7/8
Input level	-15~+15 dBmV
Input interface	F Female
Input impedance	75Ω

DVB-T

Input freq. range	174~230MHz (VHF) 470~862MHz (UHF)
Input level	20~70BmV
Constellation	QPSK, 16-QAM, 64-QAM
Carrier bandwidth	6/7/8 MHz
FFT mode	2K/8K
Guard interval	1/4, 1/8, 1/16, 1/32, off
FEC puncture rate	1/2, 2/3, 3/4, 5/6, 7/8
Input interface	IEC Female
Input impedance	75Ω

H.264 ENCODER

Video resolution	1080i (1920/1440×1080) @25Hz, 29.97Hz, 30Hz: SMPTE274M 720p (1280×720) @50Hz, 59.94Hz, 60Hz: SMPTE296M 480i (720×480) @29.97Hz: SMPTE125M 576i (720×576) @25Hz: ITU-R BT.656-4
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Compression standard	H.264, High Profile Level 4.0
Aspect ratio	4:3/16:9 selectable
Video Encoding bit rate	2Mb/s - 20Mb/s
Audio Input embedded audio	Analogue audio
Audio channels	1 pair of stereo
Sampling rate	48KHz
Audio compression	16 ~ 256Kb/s
Analogue Audio	1×2.5mm phone jack, Stereo L/ R (with phone jack to RCA adaptor)
Analogue CVBS	1×BNC Female, 75Ω
HD-SDI	1×BNC Female, 75Ω
SD-SDI	1×BNC Female, 75Ω
HDMI	1×HDMI 1.3 interface
Input bit rate	≤ 100Mb/s
Packet Length	188/204 Bytes
TS Input Management	Remux and demux between ASI input
TS Output Management	Remux and demux for mirror ASI outputs
Service and PID	Remux, filtering and remapping
PSI/SI PSI/SI table regeneration	NIT and SDT editing
Useful bit rate	70Mb/s for 10/100Base - T
Protocols	UDP / RTP, Multicast / Unicast, IGMPv2
Source built-in	Re-mux, ASI input, Encoder
Connector type	2×BNC Female, 75Ω
Output bit rate	≤ 99Mb/s
Packet length	188 / 204 Bytes
Signal level	800mVpp±10%

- Also available in 1RU



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