

ConvergeMedia™ XMS 1U



The XMS 1U is a flexible low-cost solution for linear and dynamic ad insertion deployments. The XMS 1U provides a small form factor at only 1RU and supports lower capital expenses. With sustained and even increased revenue generation in mind, the XMS 1U's interface resiliency technology promotes uninterrupted service to eliminate ad placement loss.

FEATURES

- Small Form Factor
- COTS Platform with Linux OS
- Compatible with existing Advertising back-offices
- Supports both MPEG2 and MPEG4 Video for SD & HD streaming
- Available splicer interfaces including ARRIS VIPr & CAP

XMS 1U – up to 2Gbps

Bandwidth	1Gbps & 2Gbps Configurations
Streaming Interfaces / Type	4/1 GbE
Power Consumption (MAX)	Input Current (MAX)
120V AC 225W	1.875A
-48V DC 202W	4.208A
Storage	1.6TB Raw Storage (Internal SSD Media)

GENERAL SPECIFICATIONS

Applications Supported

Linear Digital Program Insertion (DPI)
Dynamic Advertising Insertion (DAI)

Streaming Format

MPEG-4 AVC / H.264
MPEG-2

Streaming and Storage Options

Streaming interfaces	Gigabit Ethernet (1GbE) / 1000BASE-T, RJ45 4 ports
Management interfaces	Gigabit Ethernet (1GbE) / 10/100/1000BASE-T, RJ45 6 ports
Maximum Simultaneous Channels and Starts	250 SD channels (SD = MPEG2 CBR 3.75Mbps)
Storage Capacity	1.6 Tbytes Raw Storage (800 Gbytes Effective Capacity), SSD Media

Redundancy

Streaming Interfaces	Support for Link aggregation for resilient streaming
Content Storage	RAID-10
Power Supply	Dual redundant hot-swappable

Power Supply Modules

AC Switching PS module	DC Switching PS Module
AC Input Rating	DC Input Rating
700W: 100-140V / 8.5 – 6.0A / 50 – 60HZ	-44 to -72 VDC / 20A Max
750W: 180 – 240 / 5.0 – 3.8A / 50 – 60HZ	
DC Output	DC Output
700W: +12V / 58A	+12V / 53.28A
750W: +12V / 62A	

GENERAL SPECIFICATIONS (cont'd)

Dimensions

Height	1.7 inches / 43mm
Width	17.2 inches / 437mm
Depth	23.5 inches / 597mm
Weight	37.0 lbs (16.8 kg)

Environmental

Operating Temperature	5-35 C (41-95 F)
Storage Temperature	-40-60 C (-40-140 F)
Operating Humidity	8-90% (non-condensing)
Storage Humidity	5-95% (non-condensing)

Regulatory & Safety Compliance

FCC Part 15 Class A
CE EN55022, EN55024
cULus/IEC/EN/60950-1, CB report,
CB Certification
RoHS 6/6 compliant
WEEE (EU only)



ORDERING INFORMATION

Part Number	Description
782431	(XMS-MBD-1G-SSD) XMS 1U bundle for DPI, 1Gbps (125 channels). Includes base server w/ 4x1Gbps interfaces, 1.6TB internal SSD storage, associated SME licenses, and ACM.
782432	(XMS-MBD-2G-SSD) XMS 1U bundle for DPI, 2Gbps (250 channels). Includes base server w/ 4x1Gbps interfaces, 1.6TB internal SSD storage, associated SME licenses, and ACM.
782433	(XMS-MBD-1G-SSD-DC) XMS 1U bundle for DPI, 1Gbps (125 channels). Configured with DC Power. Includes base server w/ 4x1Gbps interfaces, 1.6TB internal SSD storage, associated SME licenses, and ACM.
782434	(XMS-MBD-2G-SSD-DC) XMS 1U bundle for DPI, 2Gbps (250 channels). Configured with DC Power. Includes base server w/ 4x1Gbps interfaces, 1.6TB internal SSD storage, associated SME licenses, and ACM.
780959	(XMS1U-SSD/SPARES) XMS 1U spares kit, with 2-480GB SSD and AC power supply.
780960	(XMS1U-SSD/DC/SP) XMS 1U spares kit, with 2-480GB SSD and DC power supply.
780962	(XMS1U/PS-DC/FRU) DC Power Supply for XMS 1U servers.

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