



Media Services Platform MSP2800

Specifications

Physical

Chassis Dimension	13 RU
H x W x D in. (mm)	22.56 x 17.67 x 20.76 (573 x 449 x 527.2) excluding front mounting plates and cable trays; 22.56 x 21.06 x 21.51 (573 x 535 x 546) including front mounting plates and cable trays
Weight (without modules) lbs (kg)	87.5 (31.5)
Slot Capacity	2 SCM, 12 universal module slots, (14 RTM) module slots
Rack Mount Options	19" and 23" rack mountables

Interfaces

4x10GbE and 3x1GbE WAN I/O

Networks

IP/UDP
IGMPv2, IGMPv3, Static
802.1p; VLAN Single + Double Tag
RTP, RTSP Based Session Setup

Redundancy

Switch Control Module (SCM)	1+1
Video Processing Module (VPM)	N+1
Media Processing Carrier (MPC) QAM module	N+1
Dual Node Redundancy (Active and standby MSP2800 system pair)	

Management

CLI
Multi-node Management, ARRIS Video Management System (VMS)
SNMP SNMPv2 (RFC3416), SNMPv3
MIB RFC 1213 MIB II , ENTITY-MIB, IF-MIB, SNMPv2-MIB, SNMP-TARGET-MIB, and ARRIS enterprise MIBs
Open Interface ARRIS MIB extensions SA Forum compliant HPI 1.1
Configuration Engine supports XML, NETCONF and SNMP (ConfD)

Plug-in Modules

Switch Control Module (SCM)
Rear Input /Output modules (SCM/QAM)
Video Processing Module (VPM)
Media Processing Carrier (MPC) QAM module

Video Processing

Video Compression format	MPEG-2 or H.264 SPTS
Transport Level	SPTS
Digital Program insertion/Ad Splicing	SCTE 30, SCTE 35, SCTE130; Break Cues SCTE35/ITU J181
Splicing into Encrypted Streams	
Retransmission	
Fast Channel Change	
Program Level Redundancy	

Technical Specification

Media Services Platform MSP2800 Technical Specification

Specifications Continued

Power

Supplies	N+1 redundant PEMs, load sharing, hot swappable
Input Voltage	-40 VDC to -72 VDC
Consumption	4310 W max per slot
Cooling Type	Forced air front to rear, 2 redundant fan trays

Environment

Operating Temperature	32° F to +122° F (0° C to +50° C)
Relative Humidity	95% Non-Condensing

Compliance

Safety	UL/CSA 60950-1, EN 60950-1 and IEC 60950-1 CB
NEBS	NEBS Physical Protection, Level 3
Emissions / Immunity	GR-63-CORE, GR-1089-CORE, ETSI Storage, ETS 300 019-2-1
Acoustic	ETS-300-753
ETSI	ETSI Storage, ETS 300 019-2-1, Class 1.2 equipment; ETS 300 019-2-2, Class 2.3 equipment, Public Transportation ETS 300-132-2 Environmental Engineering (EE); ETSI Operation, ETS 300 019-2-3, Class 3.1 equipment
EN	EN-300-386; FCC 47 CFR Part 15 Subpart B (US), Class A; EMC Directive 89/336/EEC (EU); AS/NZS 3548; VCCI Class A (Japan); Industry Canada ICES-003 Class A

Specifications are subject to change without notice.

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