TANDBERG

Codian MSE 8000 Chassis

High-capacity voice and videoconferencing media services engine. This powerful, fault tolerant solution is ideal for the large scale communication needs of large enterprises and service providers requiring a high-availability, high-performance, scalable solution.

MSE 8000 Chassis

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The super robust Media Service Engine 8000 is a high capacity, carrier-class, voice and video conferencing chassis and has a system supervisor, hot-swap feature blades and redundant, monitored power supplies and cooling system with the following features:

DESIGN FEATURES

- 10 hot-swappable option slots
- High definition conferencing, recording and gateway capabilities
- Redundant and hot-swappable fan trays and power supplies
- Dual 48-volt power option
- Active environmental monitoring
- High-speed backplane
- Supervisor blade for system management and configuration
- Extensive approvals and compliance

APPLICATION FEATURES

- Multiple and interchangeable functionality, including media, recording and gateway blades
- Extends the capabilities of large service providers by providing feature-rich conferencing, recording, ISDN gateway as well as system management and configuration in an all-in-one device
- Integrated with TANDBERG Management Suite (TMS)

SUPPORT CAPABILITIES*

- Up to 180 ports of HD multipoint
- Up to 360 ports of SD multipoint
- Up to 72 ISDN primary rate interfaces
- Up to 90 recording ports
- Up to 360 IP GW calls
- Up to 144 telepresence server screens
- More than 1 Gbps of conferencing bandwidth
- Wide range of protocols supported including H.323, SIP and H.320
- AES encryption
- Standards-based and compatible with all major vendors' endpoints

SYSTEM COMPONENTS	DESCRIPTION
MSE 8000 Chassis	10-slot media services engine chassis with high-speed backplane
MSE 8010 Fan tray	Hot-swap fan tray (for use in both top and bottom slots) with environmental monitoring
MSE 8026 AC power supply	Dual-shelf PSU 100–240 VAC dual-shelf power supply bundle including two 1KW rectifiers
MSE 8022 Rectifier	Additional 1KW AC/DC rectifier module for power shelf
MSE 8050 Supervisor	Supervisor blade, required for system management and configuration

CHASSIS SOFTWARE LICENSES	DESCRIPTION
MSE 8710 SL TS screen license	Required in MSE 8000 chassis to enable one telepresense screen
MSE 8510 PL Media2 port license	Required in MSE 8000 chassis to enable one HD video port and one additional audio port
MSE 8420 PL Media port license	Required in MSE 8000 chassis to enable one SD video port and one additional audio port
MSE 8350 PL IP GW call license	Required in MSE 8000 chassis to enable two IP GW calls (of which one can be transcoded)
MSE 8310 PL ISDN PRI port license	Required in MSE 8000 chassis to enable one ISDN PRI port
MSE 8220 PL VCR recording port license	Required in MSE 8000 chassis to enable one VCR recording port

SOFTWARE LICENSES
Port licensing model for added flexibility
Port licenses are purchased for the MSE 8000 Chassis to enable screen and port functionality
Port licenses are stored in the chassis and the Supervisor can allocate licenses to slots
Optional feature blades must be inserted into slots to utilise software licenses

CHASSIS
Fault-tolerant, high availability chassis
10-hot swappable option slots
Redundant power inputs and hot swappable fan trays
Dual independent 48-volt DC power inputs
Active environmental monitoring
High-speed backplane and management bus

AC POWER SUPPLY
Two independent AC power shelves convert power for the two DC power inputs of the chassis
Multiple redundant hot-swap rectifier modules per shelf
Each rectifier has its own independent AC inlet

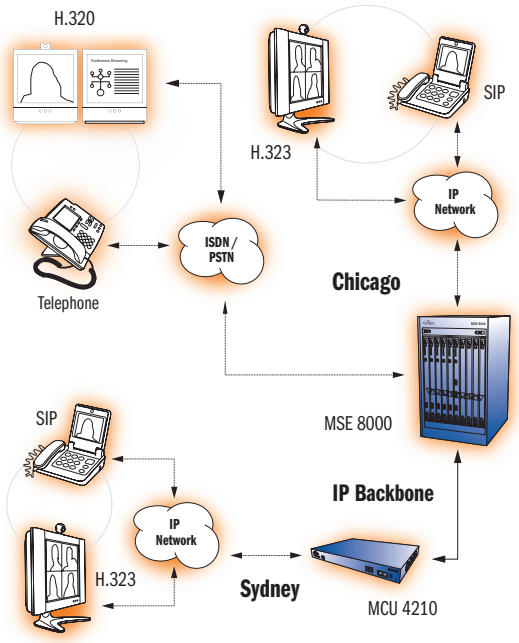
MSE 8050 SYSTEM SUPERVISOR
Actively monitors and manages the chassis and blades
Hot swappable without affecting feature blade operation
Configures blades and monitors the status of blades, fans, air filters, power feeds and AC power supply shelves
Alert generation
Standard telco alarm connector
Management via built-in web server
RS-232 for local control and diagnostics
Syslog for diagnostics
Configuration backup over network
Secure upgrades through Ethernet or CompactFlash
SNMP

ENVIRONMENTAL DATA
Operating temperature 0°C to 35°C ambient
Relative humidity below 95% (non-condensing)

PHYSICAL DIMENSIONS
Height 33.25", 842 mm (19U)
Width 17.2", 437 mm
Depth 20.5", 520 mm
19" rack mountable (kit supplied)
Power -48 VDC, 100–240 VAC 50/60 Hz

APPROVALS AND COMPLIANCE
European safety: EN 60950-1:2001
USA safety: UL 60950-1 First Edition
Canada safety: CSA 60950-1-03
CB Scheme certificate, CE Marked
EMC: EN55022 class A, ETS EN300 386, EN61000-3-2, EN61000-3-3, EN55024: EN61000-4-2,-3,-4,-5,-6,-11,
FCC Part 15 class A, VCCI class A, AS/NZS 3548 (C-Tick), CCC Approved - GB4943-2001, GB9254-1998, YD/T993-1998
Telecoms:
USA TIA-968-A: October 2002, 47 CFR Part 68: October 2004,
Canada: IC CS-03, Issue 9, Part VI,
Europe: ETS 300 046-3,
Japan: Ordinance of MPT No 31, 1984,
China: NAL Certificate
RoHS compliant

OPTIONAL FEATURE BLADES
The following feature blades can be slotted into a powered MSE 8000 chassis:
MSE 8710 Telepresence Server blade — up to 16 screens of HD telepresence conferencing
MSE 8510 Media2 blade — up to 20 ports of HD video plus 20 ports of voice multipoint conferencing
MSE 8420 Media blade — up to 40 ports of SD video plus 40 ports of voice multipoint conferencing
MSE 8350 IP GW blade — up to 20 transcoding and 20 non-transcoding video calls
MSE 8321 ISDN GW — up to 8 E1 or T1 ISDN primary rate interfaces
MSE 8220 VCR — up to 10 ports of video recording with streaming server
See individual datasheets for detailed description of blades



* optional feature blades required

All specifications subject to change without notice, system specifics may vary.

All images in these materials are for representational purposes only, actual products may differ.

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