IMACS Chassis

IMACS 600, IMACS 800, IMACS 900

Features

- **3 Models with different size, slot, and port counts to fit different needs**
- **Over 50 plug in modules for voice, data and IP**
- **Single chassis CPU redundancy**
- **All models support from two to eight T1/El links.**
- **Multiple function slots for greater diversity**
- **Multiple power options**
- **No fans required; convection cooled**
- **EIA 19” standard rack mount**

The three chassis models, IMACS 600, 800 and 900, differ in their card capacity and card installation options (front, or front and rear). All models support the same range of modular cards, power supplies, and system redundancy options. All IMACS systems can be fully managed either with local craft interface through a VT100, PC, or through Zhone’s OnLine Element Management System using standard SNMP interfaces.
The three types of chassis models available are:

- IMACS 600 (891630): Front-loading chassis with power supplies on the side
- IMACS 800 (891830): Front and rear-loading chassis with power supplies on the side
- IMACS 900 (891930):Front-loading chassis with enhanced power supply on the top

IMACS Chassis Specifications

Dimensions:

Chassis Description	Model Number	Height		Width		Depth		Weight	
		in	cm	in	cm	in	cm	lb.	kg
600 Chassis with Installation Kit Steel Chassis, Front Loading, "V" Steel Card Guides, CE Marked	891630	9.12	23.16	17.042	43.29	9.121	23.19	7.44	3.38
800 Chassis with Installation Kit, Steel Chassis, Front and Rear Loading, "V" Steel Card Guides, CE Marked	891830	9.12	23.16	16.99	43.15	15.30	38.86	13.88	6.31
900 Chassis with Installation Kit, Power-Enhanced, Steel Chassis, Top and Bottom Front Loading, "V" Steel Card Guides, CE Marked	891930	15.38	39.05	16.92	42.97	9.11	23.13	15.28	6.95

Power:

Chassis Description	Model Number	AC Power (50-60 Hz)		DC Power		Power Consumption
		110 VAC	220 VAC	-48 VDC	24 VDC	Watts
600 Chassis with Installation Kit Steel Chassis, Front Loading, "V" Steel Card Guides, CE Marked	891630	90 VAC to 135 VAC	175 VAC to 264 VAC	-40 VDC to -60 VDC	+18 VDC to 35 VDC	125 (typical) 300 W (maximum)
800 Chassis with Installation Kit, Steel Chassis, Front and Rear Loading, "V" Steel Card Guides, CE Marked	891830	90 VAC to 135 VAC	175 VAC to 264 VAC	-40 VDC to -60 VDC	+18 VDC to 35 VDC	125 (typical) 300 W (maximum)
900 Chassis with Installation Kit, Power-Enhanced, Steel Chassis, Top and Bottom Front Loading, "V" Steel Card Guides, CE Marked	891930	115 VAC 104 to 135 VAC	175 VAC to 264 VAC	-40 VDC to -60 VDC	+18 VDC to 35 VDC	125 (typical) 500 W (maximum)

Number of slots:

Chassis	891630	891830	891930
Front Logic Backplane		9	18
	9	2	2
CPU	2	3	3
Server	note 1	4	4
WAN	note 1	N/A	1
Interface	1	N/A	8
User	note 1	N/A	N/A
Sever/User	4 - note 1	N/A	N/A
WAN/User	4 - note 1		
Front Power Backplane	3 - note 2	w	7
Rear Logic Backplane			
	N/A	9	N/A
Interface	N/A	1	N/A
User	N/A	8	N/A
Rear Power Backplane			
	N/A	5	N/A

IMACS Chassis Standards and Compliances

ANSI	310-D Racks,	Panels and associated equipment
Telcordia	GR-63-CORE Issue 1	Network Equipment-Building System (NEBS) Level 3 Requirements: Physical Protections
	GR-1089-CORE Issue 2	Network Equipment-Building System (NEBS) Level 3 Requirements: Electromagnetic Compatibility and Electrical Safety
	TR-NWT-000295 Issue 2	Isolated Ground Planes: Definition and Application to Telephone Central Offices
CEN	EN 500 081-1	Electromagnetic compatibility generic emission standard Part 1 Residential, commercial and light industry.
	EN 500 082-1	Electromagnetic compatibility generic immunity standard Part 1 Residential, comicality and light industry.
	EN 60 950/A2	Safety of information technology equipment including electrical business equipment
UL	1459	UL Standard for Safety of Telephone Equipment
CSAC22.2	No. 950	Safety of information technology equipment including electrical business equipment
FCC	Part 68 - Subpart B Requirements for Connection of Terminal Equipment Systems and Protective Apparatus to the Telephone Network.	
IEC	297-1	Racks, Panels and Associated Equipment
	950 A2	Safety of information technology equipment including electrical business equipment