

Features

- Provides physical connections for E1/TI WAN interfaces.
- Range of Interface Cards to support low-end or high-end functionality
- Optional integral modem for remote connectivity.
- Serial port for local VTI00 access.

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- Integral Nodal port for alarm activation of external reporting device.
- Integral computer port supports local printer or IP based management via SLIP/PPP
- On-board NVRAM for non volatile storage of system configuration.
- External synchronization options.

The interface cards provide all management and control communications connections to the system and contain the non-volatile RAM in which all configuration information is stored. The interface cards provide all communications, control, and network interfaces to the IMACS system. The use of non-volatile RAM for configuration storage means that all configuration information is retained in case of system power loss or intentional power down. One interface card is required per system.

The control terminal port is used to connect a VT100 or compatible terminal to the IMACS system for node management and control purposes. The Control Terminal port presents an RJ48 female connector with a V24/V28 (RS232) DCE electrical interface. The port is set to VT100 mode for asynchronous operation at 9600 bps with 8 data bits, 1 stop bit, and no parity. The port supports an automatic logout feature after fifteen (15) minutes of inactivity.

The computer port (DB9) connects a local device for printing alarms or can be configured to support SLIP (Serial Line Internet Protocol) for transport of SNMP management information. The computer port presents a DB9 male connector with a V24/V28 (RS232) electrical interface.

The function supported by the nodal port is to provide the form-C contact closure and the physical interface so that the ACO alarm may activate an external reporting device. The nodal port presents an RJ48 female connector with an RS485 electrical interface.

The Modem port is used to connect the Interface card's internal dial modem to a standard telephone line. This port may be used to log into the unit from a remote VT100 terminal or to send system alarms to a remote device. The modem port presents an RJ11 female connector.



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Card Specification	Configuration Storage	uration Storage Models 892060 Models 892260, 892360 & 892460							
	Interfaces	Model	TI/El Links	Computer Port	Control Terminal Interface Port	Modem Port	Internal Modem	External Sync	
		892060 892260 892360 892460	8 T1/E1 8 T1/E1 8 T1/E1 8 T1/E1 8 T1/E1	yes yes yes yes	yes yes yes yes	yes no yes no	yes no yes no	no yes no no	
	External Sync Options	892260: \$	ng source						
Fiming source		892x6x· F	Primary and so	econdary timi	ng source sele	ectable from V	VAN interface	card or	
	Internal clock (Stratum 4) Electrical Interface	G.703/4 c	r DSX-1 (wit	h optional CS	card modules				
	Connector	892060, 8	Mod 9226x, 8923	el 50 & 892460	Type 2460 1 Female 50 pin RJ27X Telco conne			connector	
	Computer Port Connector Electrical Interface Function Code set Max Speed	DB9M DTE RS-232, ITU.T V24/V28 Connects to Local Element Management System 8 bit characters plus one start and one stop bit with no parity 19.2Kbps ce Port RI48F, 8 pin. EIA 561 DCE RS232. ITU-T V24/V28 Connect Local VTI00.compatible Control Terminal local craft interface Maximum 9,600 bps asynchronous 8 bit characters plus one start and one stop bit with no party							
	Control Terminal Interface Po Connector Electrical Interface Function Speed: Code set:								
	Nodal Port Connector Electrical Interface Alarm Output Function management systems end pa	RJ48F, 8-pin terface Dry contact ut Passive current loop, one normally open loop and one normally closed lo Alarm management between co-located IMACS nodes and external alar systems end panels.					y closed loop. ternal alarm		
	Modem Port Connector Electrical interface Protection Function	(Model 892060 and 892360 only) Female 6-pin RJ-11C socket 600 ohm 2-wire balanced HV Zener. 0.25A fuses on Tip and Ring Connect internal modem to PSTN (Public Switched Telephone Network) for access to remote operator and remote EMS network management system.						r access to	
	Modem Specification Compatibility: Modulation: Line Interface: Ringer Equivalence: Approval: Equalization: Transmit Level: Receiver Sensitivity: Dialing Mode: Speed Supported: Code Set:	(Models 892060 and 892360 only) ITU-T V.22 his 16 point QAM 2-wire balanced 600 ohm 0.2 A FCC Part 68 Receive automatic adaptive, Transmit fixed compromise -9.5 dBm ON to OFF threshold -45 dBm OFF to ON threshold 48 dBm DTMF Tone 2.400 bps asynchronous 8 bit characters plus one start and one stop bit with no parity							

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IMACS Interface Cards

Standards	Telcordia GR-63 CORE 10/95, EN 50 081.1 10/12/9, EN50082-1 10/12/9, EN 60 950/Al 0, ITU-T G.797 1993									
Compliance	ITU-T V.22bis, ANSI/EIA RS232C, ANSI/UL 1459, EN 55 022, EN61 000-4-2 Level 4, EN 61 00-4-4 Level 2 EN 61 000-4-5 Level 2, ENV 50 140 Level 2, EN 61 000-4-4 Level 2, CSA C22.2									
Model Number	Model 892060 - 8 Port T1/El Interface Card with modem Model 892260 - 8 Port T1/El Interface Card with framed T1 external sync module Model 892360 - 8 port T1/El Interface Card with modem. Model 892460 - 8 port T1/El Interface Card without modem. All Interface Cards are supplied with stainless steel faceplates, CE Marked									
Physical	Card Height	8 inches	inches (20 cm)							
Specification	Card Width Card Depth	15/16 ir 71/2 inc	15/16 inches (2.35cm) 71/2 inches (18.75cm)							
Power Con BTU/hr	Model 892060 0.6 watts 2.05 Oper. Temp Storage Temp Humidity	Model 8922 0.85 watts 2.9 0 to 50 C, 3 -20 to 80C,- 0 to 95% Hu	2 60 2 to 122F 4 to176 F umidity. N	Model 892360 0.85 watts 2.9 Non-Condensing	Model 892460 0.85 watts 2.9					
IMACS Platform	IMACS Chassis Control CPU Card System Host Code Interface Card Release 3.x.y Release 6.x.y	2 2 2 2	 891630 IMACS 600, 891830 MACS 800, or 891930 IMACS 900 880460 supports 892060 880370 supports 892260, 892360 & 892460. 3.x.y & 6.x.y or later 892060 892260, 892360 & 892460. All AC/DC power supplies supported 							
	Power Supply Options		All AC/DC power supplies supported							