

Time and Frequency Modular Distribution Unit Model: 9300



Application - Defense (Military) ■ SatCom ■ Wireless

- Communications Networks
- Satellite Ground Stations
- Mobile Radio Synchronization
- Station/BITS Clock
- Test and Measurement Systems

Features

- Model 9100 Expansion or Stand-Alone Unit
- Digital, Frequency, Time Code, and Telecom Distribution
- 12 Module Positions Available for 48 Outputs
- Modules "Hot Swappable"



Description:

The Model 9300 is designed for two modes of distribution. One is distribution expansion for the Model 9100, effectively extending its bus structure into the Model 9300. As many as four Model 9300's may be connected to a single Model 9100, with Fault/Status reporting through the Model 9100. The other mode is stand alone distribution. This mode permits operation without a Model 9100, with customer supplied timing signal inputs either from redundant or non-redundant sources. The Model 9300 has 12, four channel distribution module positions providing a maximum of 48 signal outputs. Digital, Frequency, and Telecom distribution and power supply modules from the Model 9100 are utilized in the Model 9300. A rear panel plug-in Input Interface Module (IIM) allows a wide variety of input signal and status configurations. Included with the IIM is a Terminator and Fault Logic module (TFL). The TFL provides correct input signal termination, mode set up, and a RS-232/RS-422 Fault/Status communications port. Both redundant and non-redundant configurations are available.

Model 9300 Main Frame

The Model 9300-1 Main Frame consists of a metal enclosure containing only a passive, connectorized backplane assembly and Input Interface Module. All functional modules plug into front positions, while interface and power connectors are located on the rear panel. Distribution and power supply modules from the Model 9100 operate in the Model 9300.

Specifications:

Distribution		Dimensions:	5.22 High (3U), 19 Inches Wide, And 15 Inches Deep
Module Slots:	Twelve	Weight:	25 Pounds With Full Complement of Modules
Terminator And Fault Logic		Finish:	Clear Anodized Aluminum
Module Slots:	Two, One Supplied As Standard	Operating Temperature:	-30° C to +60° C, With Modules
Power Supply		Humidity:	95% Relative, Non-Condensing, With Modules
Module Slots:	Two, One Supplied As Standard		
Input Interface			
Module Slot:	One, Rear Panel		

Specifications subject to change without notice.

Distribution Modules

- Model 9106 4-Channel Digital Distribution Module (DDM), TTL Levels
- Model 9107 4-Channel Frequency Distribution Module (FDM), Sine Wave and Time Code Distribution
- Model 9109 Sine Wave Generator (SGM), 5 MHz From System 10 MHz
- Model 9111 Telecom Generator (TEL), T1 or E1 Framed And Clock
- Model 9114 Digital Rate Generator (DRG), Various Digital Rate Outputs Available

Terminator and Fault Logic Module

- Model 9350 The TFL module, in conjunction with the Model 9360 IIM, selects operational mode and is the fault collection point for distribution module faults. In addition it provides serial communications to the Model 9100 or external RS-232/422 devices in the stand alone mode.

Input Interface Module

- Model 9360 The IIM is essentially an input patch panel to route external input timing signals to appropriate internal signal buses.

Power Supply

- Model 9120 Universal AC Power Input, 100 to 240 VAC
- Model 9121 DC Power Input, 20 to 60 VDC

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