

# Technical Data

**WATKINS-JOHNSON**

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## Equipment Frame WJ-9908A



### Description

The WJ-9908A equipment frame holds up to eight WJ-8607, WJ-8607A, or WJ-8609A Miniceptor Receivers, with or without frequency extenders, in a full-rack package occupying only 8.75 inches (22.23 cm) of vertical rack space. The frame includes an integral AC power supply for the receivers and an optional host interface. The receivers are mounted with their connectors toward the front of the frame to allow easy removal. All receiver inputs are cabled to the rear panel.

The optional host interface allows the user to choose an IEEE-488, RS-232C or RS-422A interface. The host interface mounts inside the frame and converts the interface protocol to a Hewlett-Packard Interface Loop (HPIL) used by the Miniceptor receivers. To use an optional host interface with WJ-8607A Receivers, the WJ-8607A must have the HPIL option. The host interface also includes a WJ Receiver Net Interface that allows access by the WJ Net Controller to the receivers in the frame.

### Features

- ❑ Houses up to 8 WJ-8607, WJ-8607A, or WJ-8609A Miniceptor Receivers in an 8.75 in x 19 in (22.23 x 48.26 cm) full-rack chassis
- ❑ High-efficiency integral AC power supply
- ❑ Optional host interface (IEEE-488, RS-232C or RS-422A)

<b>HEIGHT</b>	8.75 in (22.23 cm)	<b>DEPTH</b>	20 in (50.80 cm)
<b>WIDTH</b>	19 in (48.26 cm)	<b>WEIGHT</b>	27 lbs (12.21 kg)

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This material provides up-to-date general information on product performance and use. It is not contractual in nature, nor does it provide warranty of any kind.

WJ-9908A

## Specifications

<b>Maximum Power Consumption</b> .....	<b>280 W, nominal (fully loaded with 8 receivers &amp; host interface)</b>
<b>Cooling Method</b> .....	<b>Fan-forced air</b>

### Frame Connectors

I/O	Function	Type
<b>Inputs</b>	AC Power (110/220 VAC, 47 to 400 Hz) External Reference HPIL in (allows looping to additional frames)	3-pin IEC BNC 2-pin LEMO
<b>Outputs</b>	HPIL out (allows looping to additional frames)	2-pin LEMO
<b>Both</b>	IEEE-488, RS-232C or RS-422A Host Interface* Front Panel Interface (RS-232C, audio) RS-485 Receiver Net Interface	IEEE-488 or 9-pin D 9-pin D 9-pin D

\*Dependent on option selected as described in Table 3.

### Connectors for Each Receiver Installed

I/O	Function	Type
<b>Inputs</b>	Antenna (RF Input)	SMA
<b>Outputs</b>	Line Audio, FM Monitor, Signal Monitor or Optional WBO, Switched 21.4-MHz IF, Selected Video Auxiliary Multipin Connector COR TTL Signal Spectrum Invert TTL Signal	All BNC 9-pin D
<b>Both</b>	Auxiliary Serial I/O (RS-232C) High-speed Serial I/O (RS-232C or RS-422A w/WJ-8607A)	9-pin D 15-pin D

### Options

Model #	Function	Physical Characteristics
<b>WJ-9908/488</b> IEEE-488 Host Interface	<ul style="list-style-type: none"> <li>Allows host control of mounted receivers</li> <li>Performs HPIL conversion</li> <li>Allows control by other WJ Receiver Net Controllers</li> </ul>	<ul style="list-style-type: none"> <li>IEEE-488 Interface</li> <li>WJ Receiver Net Interface</li> </ul>
<b>WJ-9908/232</b> RS-232/C Host Interface	<ul style="list-style-type: none"> <li>Permits control by a WJ-9605 Front Panel Unit</li> <li>Same capabilities as the WJ-9908/488</li> </ul>	<ul style="list-style-type: none"> <li>Front-panel jack</li> <li>RS-232C Interface</li> </ul>
<b>WJ-9908/422</b> RS-422A Host Interface	<ul style="list-style-type: none"> <li>Same capabilities as the WJ-9908/488</li> </ul>	<ul style="list-style-type: none"> <li>RS-422A Interface</li> </ul>