

# Single, Multi Band RF Recoder

## MODEL DRS9300X, DRS9300X-MB



### KEY FEATURES

- 10 Gbps Sustained Data Rate Record and Playback
- Native IRIG-106 Chapter 10 Recording Format
- Frequency range: 100MHz to 6GHz
- RF Spectrum Monitor while Recording
- Two Removable Diskbanks Total Capacity 6TB - 24TB FIPS-140, AES-256 Hard Disk or Solid-State Disk
- 16-bit A/D and D/A converters
- 80+ dB of Automatic Gain Control
- Timing Interfaces Accepts IRIG-A/B/G, NASA36 External 1PPS & 10MHz Reference Optional GPS Timing

### GENERAL DESCRIPTION

The DRS9300X/DRS9300X-MB is a high-performance member of Wideband Systems' industry-leading Digital Recording System (DRS) family. Optimized for the RF recording market, the DRS9300X/DRS9300X-MB delivers exceptional bandwidth and signal fidelity while maintaining full compliance with the IRIG-106 Chapter 10 standard.

This system supports an integrated RF/IF Interface Module, providing flexible support across a wide range of RF recording applications. It employs 16-bit A/D and D/A converters and includes over 80 dB of Automatic Gain Control. The reconstructed RF output can be configured to follow the input signal or maintain a fixed output level, depending on mission requirements.

With configurations offering storage from 6 to 24TB and a data rate of 10Gbps, the DRS9300X/DRS9300X-MB is uniquely qualified for the most demanding RF recording requirements. It supports coverage across the P Band, L Band, S Band, and C Band spectrums, delivering a tailored solution for advanced signal intelligence and analysis.

Backed by Wideband Systems' legacy of rugged, field-proven performance, the DRS9300X/DRS9300X-MB delivers unmatched capability in high-speed, high-resolution RF data acquisition and playback.



### RELATED PRODUCTS

Antenna	Best Source Selector	Receiver	Telemetry Data Processor

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### TECHNICAL SPECIFICATIONS

Dimensions:	5.25 x 19 x 23.5 inches
Weight:	40 pounds (18.1 kg)
Temperature:	Operational: 5 to 50 degrees Celsius Non-Operational: -25 to 65 degrees Celsius
Humidity:	5% to 95%, non-condensing
Power (VAC):	90-132 and 180-264 VAC, DC power optional
Power (Hz):	47 to 63 Hz
Power (Watts):	<350 Watts
Record Media:	Two Removable Diskbanks
Disks/Diskbank:	Six 2.5" Disks
Disk Type:	Hard Disk or Solid-State Disk
Disk Interface:	SAS or SATA
Data Security:	FIPS-140, AES-256
Diskbank Capacity:	6TB to 24TB
Operator Control:	Local Control via Front Panel 6.5" Touch Screen and/or auxiliary KVM Remote Control via Network attached PC
Data Transfer:	Data Transfer (Import/Export) to local USB and eSATA drives and Network attached devices



### RF OPTIONS

2ARF-SB (single band) or 2ARF-MB (multi-band)

Two independently configurable I/O channels (selectable bandwidth: 50MHz, 100MHz, 200MHz, or 220MHz)

Center frequency: Tunable within and outside of each available band, input and output are independently configurable.

C-Band (4400-5250 MHz)

S-Band (2200-2400 MHz)

L-Band (Lower) (1427-1545 MHz)

L-Band (Upper) (1675-1850 MHz)

P-Band (100-1320 MHz)



\*All system boards now come standard with a DisplayPort and dual USB 3.0 ports. VGA is no longer offered as a standard video output.

Recognizing that no standard product fits every mission, Delta Telemetry Systems is ready to deliver tailored solutions for your unique application requirements.

Specifications subject to change without notice.

DATA RECORDING