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Data Sheet

August 15, 2026

ANALOGIC

Anallogic DBS9900 VXI C-Size Dual Instrument Carrier

Anallogic DBS9900 VXI C-Size Dual Instrument Carrier The Anallogic DBS9900 isaVXI C-size dual instrument carrier hosting DBS9xx plug-in function modules such as the DBS901 AWG and DBS902 digitizer. The carrier distributes internal, front-panel, and VXI TTLTRG clocks and triggers so modules can run coherently with programmable per-module thresholds.

Comparison catalogs list many DBS9xx speed and resolution combinations on DBS9900 and related DBS9905 carriers. Modular VXI stimulus and response, coherent multi-instrument ATE, and mixed AWG/digitizer systems. The Anallogic DBS9900 isaVXI C-size dual instrument carrier hosting DBS9xx plug-in function modules such as the DBS901 AWG and DBS902 digitizer. The carrier distributes internal, front-panel, and VXI TTLTRG clocks and triggers so modules can run coherently with programmable per-module thresholds. Comparison catalogs list many DBS9xx speed and resolution combinations on DBS9900 and related DBS9905 carriers. Modular VXI stimulus and response, coherent multi-instrument ATE, and mixed AWG/digitizer systems.



MODEL

Anallogic DBS9900

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

DBS9900

LISTING

<https://aumictechlabs.com/products/dbs9900-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Analogic DBS9900 is a VXI C-size dual instrument carrier that houses and operates up to two DBS9XX family plug-in modules within a single VXI chassis slot. This mother/daughterboard architecture optimizes resource utilization and reduces cost per slot while delivering signal generation and acquisition. The carrier supports flexible clocking and triggering via internal circuitry, front panel connectors, and VXI TTLTRG or ECLTRG lines with programmable thresholds for both clock and trigger signals.

Technical Specifications

Module Architecture VXI C-Size format Accommodates up to two DBS9XX family plug-in modules per slot Supports DBS901/DBS901HV/DBS901LM (14-bit Arbitrary Waveform Generators) and DBS902/DBS902HV (14-bit Waveform Digitizers)

Clocking and Synchronization Internal programmable clock: 95 Hz to 100 MHz Simultaneous module synchronization with minimized clock skew External clock input via front panel connectors and VXI TTLTRG or ECLTRG lines Internal PLL 10 MHz reference signal with external clock option at CLK 2 input

Triggering Internal trigger circuitry Front panel trigger connectors VXI TTLTRG and ECLTRG trigger line support Programmable trigger thresholds per installed module

Power Supply Dual supply voltages: +24 VDC, -24 VDC, +12 VDC, -12 VDC, +5 VDC, -5.2 VDC, -2 VDC Power consumption varies by installed module configuration

Key Features Single-slot dual-module operation maximizes chassis efficiency Coherent operation between waveform generators and digitizers Programmable clock and trigger thresholds for flexible signal control VXI Plug & Play compliant software driver with source code and .DLL files Automatic module recognition and configuration

Typical Applications High-speed signal generation and acquisition, waveform synthesis and analysis, coherent multi-module test systems.

Compatibility & Integration VXI Plug & Play driver supports simplified integration across multiple programming environments. Direct compatibility with Analogic DBS9XX modular instrumentation family.

DBS9900 Characteristics / Specifications

PARAMETER	VALUE
Model	DBS9900
Instrument Type	VXI C-size dual instrument carrier
Bus Form Factor	VXI C-size
Module Capacity Class	dual instrument plug-ins
Example Awg Module	DBS901 100 MS/s 50 MHz 14-bit
Example Dig Module	DBS902 80 MS/s 40 MHz 14-bit
Example High Res Awg	DBS903 4 MS/s 1 MHz 22-bit
Example High Res Dig	DBS904 4 MS/s 1 MHz 22-bit
Clock Sources	internal front panel VXI TTLTRG
Trigger Sources	internal front panel VXI TTLTRG
Coherent Multi Module	yes
Threshold Programming	per plug-in function module
Related Carrier	DBS9905 for higher-speed DBS90x modules
Platform Role	hosts waveform generator and digitizer modules
Product Family	DBS9900 / DBS9xx
Timing Skew Focus	minimize clock skew between plug-ins
System Integration	multiple DBS902 or DBS901 modules supportedIOClass: modular instrument carrier
Vendor	Analogic
Instrument Family	DBS9xx or DVX 25XX as applicable
Carrier Dependency	DBS9900 for DBS9xx plug-ins
Timing Sources Class	internal front panel VXI TTLTRG
Platform Class	VXI or VME per model
Resolution Class	per module table

DBS9900 Specifications

PARAMETER	VALUE
Shared clock and trigger distribution	Front panel and TTLTRG timing sources
Technical Specifications	Model: DBS9900
Notes	From Analogic DBS9900 Artisan OEM family tables. Power draw and slot cooling depend on installed plug-ins.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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PARAMETER	VALUE
Model	DBS9900
Instrument Type	VXI C-size dual instrument carrier
Bus Form Factor	VXI C-size
Module Capacity Class	dual instrument plug-ins
Example Awg Module	DBS901 100 MS/s 50 MHz 14-bit
Example Dig Module	DBS902 80 MS/s 40 MHz 14-bit
Example High Res Awg	DBS903 4 MS/s 1 MHz 22-bit
Example High Res Dig	DBS904 4 MS/s 1 MHz 22-bit
Clock Sources	internal front panel VXI TTLTRG
Trigger Sources	internal front panel VXI TTLTRG
Coherent Multi Module	yes
Threshold Programming	per plug-in function module
Related Carrier	DBS9905 for higher-speed DBS90x modules
Platform Role	hosts waveform generator and digitizer modules
Product Family	DBS9900 / DBS9xx
Timing Skew Focus	minimize clock skew between plug-ins
System Integration	multiple DBS902 or DBS901 modules supportedIOClass: modular instrument carrier
Vendor	Analogic
Instrument Family	DBS9xx or DVX 25XX as applicable
Carrier Dependency	DBS9900 for DBS9xx plug-ins
Timing Sources Class	internal front panel VXI TTLTRG
Platform Class	VXI or VME per model
Resolution Class	per module table
Notes	
From Analogic DBS9900 Artisan OEM family tables. Power draw and slot cooling depend on installed plug-ins.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.