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Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

ASTRONICS / EADS / RACAL

Astronics / EADS / Racal 1261AM 13-Slot High-Performance, Medium Power VXI Mainframe

The Astronics/EADS/Racal 1261AM is a 13-slot C-Size VXI mainframe engineered for instrumentation and data acquisition systems requiring medium power distribution and advanced thermal management. Fully compliant with VXIbus specification Rev. 2.0 and VXI specification B.7.2.3, this platform delivers 500 W of usable power to support diverse module configurations in demanding test environments. Pressurized plenum cooling system with molded card guides for optimized airflow distribution Variable-speed fan control adjusts based on worst-case slot temperature rise (with system monitor) Standard Monitor System (SMS) independently powered; checks VXIbus voltages, currents, airflow, and temperature against factory limits



MODEL

**Astronics / EADS /
Racal 1261AM**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

1261AM

LISTING

[https://aumictechlabs.c
om/products/1261am-2/](https://aumictechlabs.com/products/1261am-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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mainframe VXLbus Compliance: Rev. 2.0; VXL specification B.7.2.3 Input Voltage: 115 Vrms $\pm 10\%$ Input Frequency: 47 Hz to 63 Hz Total Usable Power: 500 W Maximum Power Consumption: 1130 W (power supply) Operating Temperature: 0 °C to +55 °C Operating Relative Humidity: Up to 95% at up to 30 °C rise; up to 45% at +55 °C Operating Altitude: 5,000 ft (4570 m) Non-operating Altitude: 40,000 ft (12,190 m) Acoustic Noise: 56 dBA (fan speed control set to low) Key Features Advanced power supply with minimal ripple and noise; direct backplane connection Independent power supply and fan assemblies Pressurized plenum cooling system with molded card guides for optimized airflow distribution Snap-on slot covers divert airflow from unused positions Fault-tolerant three-fan cooling assembly with rear-pluggable design Variable-speed fan control adjusts based on worst-case slot temperature rise (with system monitor) Standard Monitor System (SMS) independently powered; checks VXLbus voltages, currents, airflow, and temperature against factory limits Enhanced Monitoring System (EMS) option adds VXLbus and RS-232 interactivity with user-defined limits and out-of-limit interrupts Optional inter-module shields (Option 52) reduce radiated noise between modules Optional backplane connector shrouds (Option 51) minimize backplane radiated noise Bi-color LED annunciators indicate system status Electromagnetic Compatibility FCC 47 CFR Part 15 Class B; EN 50081-1, EN 50082-1, EN 55011 Class B Class A emissions available with Option 53 Typical Applications Defense and aerospace testing, industrial data acquisition systems, automated measurement platforms, and distributed instrumentation networks requiring modular expansion and fault-tolerant operation.

Features & description

From manufacturer datasheet

Technical Specifications

Slot Configuration: 13-slot C-Size VXI mainframe VXIbus Compliance: Rev. 2.0; VXI specification B.7.2.3 Input Voltage: 115 Vrms $\pm 10\%$ Input Frequency: 47 Hz to 63 Hz Total Usable Power: 500 W Maximum Power Consumption: 1130 W (power supply) Operating Temperature: 0 °C to +55 °C Operating Relative Humidity: Up to 95% at up to 30 °C rise; up to 45% at +55 °C Operating Altitude: 5,000 ft (4570 m) Non-operating Altitude: 40,000 ft (12,190 m) Acoustic Noise: 56 dBA (fan speed control set to low)

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Astronics / EADS / Racal 1261AM — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Astronics / EADS / Racal 1261AM. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values [Request Calibration](#) → [Request Repair Quote](#) →

Astronics / EADS / Racal 1261AM price

This Astronics / EADS / Racal 1261AM is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Astronics / EADS / Racal 1261AM calibration cost

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Unit notes

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1261AM Specifications

PARAMETER	VALUE
Voltage / Current Range	115 Vrms ±10%
Slot Configuration	13-slot C-Size VXI mainframe
VXIbus Compliance	Rev. 2.0; VXI specification B.7.2.3
Input Voltage	115 Vrms ±10%
Input Frequency	47 Hz to 63 Hz
Total Usable Power	500 W
Maximum Power Consumption	1130 W (power supply)
Operating Temperature	0 °C to +55 °C
Operating Relative Humidity	Up to 95% at up to 30 °C rise; up to 45% at +55 °C
Operating Altitude	5,000 ft (4570 m)
Non-operating Altitude	40,000 ft (12,190 m)
Acoustic Noise	56 dBA (fan speed control set to low)

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.

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Pressurized plenum cooling system with molded card guides for optimized airflow distribution

Variable-speed fan control adjusts based on worst-case slot temperature rise (with system monitor)

Standard Monitor System (SMS) independently powered; checks VXIbus voltages, currents, airflow, and temperature against factory limits

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Maximum Power Consumption: 1130 W (power supply)

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Non-operating Altitude: 40,000 ft (12,190 m)

Acoustic Noise: 56 dBA (fan speed control set to low)

Key Features

Advanced power supply with minimal ripple and noise; direct backplane connection

Independent power supply and fan assemblies

Pressurized plenum cooling system with molded card guides for optimized airflow distribution

Snap-on slot covers divert airflow from unused positions

Fault-tolerant three-fan cooling assembly with rear-pluggable design

Variable-speed fan control adjusts based on worst-case slot temperature rise (with system monitor)

Standard Monitor System (SMS) independently powered; checks VXibus voltages, currents, airflow, and temperature against factory limits

Enhanced Monitoring System (EMS) option adds VXibus and RS-232 interactivity with user-defined limits and out-of-limit interrupts

Optional inter-module shields (Option 52) reduce radiated noise between modules

Optional backplane connector shrouds (Option 51) minimize backplane radiated noise

Bi-color LED annunciators indicate system status

Astronics / EADS / Racal 1261AM – Repair & Calibration Service

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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.