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Data Sheet

August 12, 2026

ASTRONICS / EADS / RACAL

Astronics / EADS / Racal 1461-14 14-Slot PXI Mainframe

The Astronics/EADS/Racal 1461-14 is a 14-slot 3U PXI mainframe engineered for modular instrumentation, data acquisition, and control systems. This compact chassis integrates 3U PXI, 3U CompactPCI, and 111.7 mm mezzanine modules into a single platform, delivering 526 W of distributed power across all slots. The system features dual 112 CFM high-pressure impellers with three selectable cooling modes - automatic high/low speed, manual selection, or temperature-proportional variation - ensuring uniform thermal management for high-power module applications. A universal AC input power supply with automatic voltage and frequency ranging (including 440 Hz capability) pairs with built-in monitoring of power and fan status. Front-panel LED indicators flag power supply failures, while rear-panel connectors enable remote power and fan monitoring. The chassis ships with a carrying handle for portability and tilt feet for benchtop use, with optional rack-mount rails available. Cooling System: Dual 112 CFM impellers with rear intake, top/side exhaust; three operational modes (automatic high/low, manual, or temperature-variable) Power Supply: Built-in modular assembly with universal AC input, automatic voltage/frequency ranging, and 440 Hz capability Monitoring: Built-in power supply and fan monitoring with remote connectivity via rear-panel connector



MODEL

**Astronics / EADS /
Racal 1461-14**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

1461-14

LISTING

[https://aumictechlabs.c
om/products/1461-14-
2/](https://aumictechlabs.com/products/1461-14-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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Features & description

From manufacturer datasheet

Technical Specifications

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Key Features

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Astronics / EADS / Racal 1461-14 — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Astronics / EADS / Racal 1461-14. 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 1461-14 price

This Astronics / EADS / Racal 1461-14 is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Astronics / EADS / Racal 1461-14 calibration cost

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Unit notes

The Astronics/EADS/Racal 1461-14 is a 14-slot 3U PXI mainframe engineered for modular instrumentation, data acquisition, and control systems. This compact chassis integrates 3U PXI, 3U CompactPCI, and 111.7 mm mezzanine modules into a single platform, delivering 526 W of distributed power across all slots. The system features dual 112 CFM high-pressure impellers with three selectable cooling modes - automatic high/low speed, manual selection, or temperature-proportional variation -

ensuring uniform thermal management for high-power module applications. A universal AC input power supply with automatic voltage and frequency ranging (including 440 Hz capability) pairs with built-in monitoring of power and fan status. Front-panel LED indicators flag power supply failures, while rear-panel connectors enable remote power and fan monitoring. The chassis ships with a carrying handle for portability and tilt feet for benchtop use, with optional rack-mount rails available. Technical Specifications Slot Configuration: 14 slots total with dedicated system controller slot Module Compatibility: 3U PXI, 3U CompactPCI, and 111.7 mm mezzanine modules Power Output: 526 W distributed across 14 slots AC Mains Input: 120 VAC standard (universal ranging available) Cooling System: Dual 112 CFM impellers with rear intake, top/side exhaust; three operational modes (automatic high/low, manual, or temperature-variable) Power Supply: Built-in modular assembly with universal AC input, automatic voltage/f

1461-14 Specifications

PARAMETER	VALUE
Voltage / Current Range	120 VAC input, 526 W output
Slot Configuration	14 slots total with dedicated system controller slot

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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Cooling System: Dual 112 CFM impellers with rear intake, top/side exhaust; three operational modes (automatic high/low, manual, or temperature-variable)

Power Supply: Built-in modular assembly with universal AC input, automatic voltage/frequency ranging, and 440 Hz capability

Monitoring: Built-in power supply and fan monitoring with remote connectivity via rear-panel connector

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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

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