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Data Sheet

August 15, 2026

ASTRONICS / EADS / RACAL

Astronics / EADS / Racal 7064 Single Slot Prototyping Module - Message-Based

Racal EADS 7064 Single Slot Message Based VXI Prototyping Module The Racal / EADS / Astronics 7064 is a single-slot message-based VXI prototyping module. OEM 7064 listings describe a message-based (Word Serial) prototype card for custom circuitry in a VXI mainframe, occupying one slot. It is used to implement user logic that participates in VXI message-based protocols alongside Racal 1260-class switch and instrument modules. Custom message-based VXI instruments and prototype digital/analog circuitry in a one-slot C-size card. The Racal / EADS / Astronics 7064 is a single-slot message-based VXI prototyping module. OEM 7064 listings describe a message-based (Word Serial) prototype card for custom circuitry in a VXI mainframe, occupying one slot. It is used to implement user logic that participates in VXI message-based protocols alongside Racal 1260-class switch and instrument modules. Custom message-based VXI instruments and prototype digital/analog circuitry in a one-slot C-size card. Instrument Type: Single slot message-based VXI prototyping module



MODEL

**Astronics / EADS /
Racal 7064**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

7064

LISTING

**[https://aumictechlabs.c
om/products/7064-2/](https://aumictechlabs.com/products/7064-2/)**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Astronics / EADS / Racal 7064 Single Slot Prototyping Module is a message-based VXIbus development platform designed for rapid prototyping and testing of custom hardware within VXI

systems. This C-sized module delivers a complete prototyping environment with 82 square inches of development space, a 68000-based daughterboard CPU, and 96 buffered TTL control lines for direct circuit implementation. Engineers and system integrators use the 7064 across aerospace, defense, and industrial applications to validate new designs before production integration.

Technical Specifications

Interface & Architecture Message-based interface, IEEE-488.2 compliant C-sized VXIbus form factor with full VXIbus access 68000-based daughterboard with CPU bus directly accessible to user Upper half of 68000 address space available for user memory-mapped devices Lower half reserved for I/O ports, on-board memory, and VXIbus registers

Prototyping Resources 82 square inches of development space; variants offer over 100 square inches Twelve 8-bit individually configurable ports 96 buffered TTL control lines, programmable in binary, octal, decimal, or hexadecimal Digital I/O accessible in bit, byte, or word format 0.1" × 0.1" (2.54 mm × 2.54 mm) grid for user I/O connectors Support for DIP, PGA, PLCC, and Small Outline surface mount packages 77 pairs of +5V/Gnd pads in development area (7064R variant) Power & Expansion All seven VXIbus supply lines available to user, fused and EMI-filtered per VXIbus spec Supports master/slave expansion with up to eleven slave 7064M modules controllable via VXI local bus Local bus access for proprietary signals or expansion Memory & Firmware Shared memory capability On-board RAM and ROM for user-definable firmware

Key Features Message-based architecture simplifies software integration with VXI test systems Direct VXIbus CPU access eliminates interface bottlenecks Modular expansion supports scaled system architectures All power rails fused and filtered to meet VXIbus specifications User-definable VXIbus registers for custom control logic

Typical Applications Aerospace and defense instrumentation, industrial measurement systems, custom sensor interfaces, embedded control prototyping, and VXI system expansion.

Compatibility & Integration VXIplug&play drivers and installation disk included for Windows, Windows 95, and Windows NT environments. Full VXIbus register compliance ensures interoperability with standard VXI chassis and controllers.

7064 Characteristics / Specifications

PARAMETER	VALUE
Model	7064
Instrument Type	Single slot message-based VXI prototyping module
Vxi Protocol	message-based (Word Serial)
Slot Width	single slot
Form Factor	VXI C-size class prototyping module
Manufacturer	Racal / EADS / Astronics
Use Case	custom VXI prototype instrument
Literature	Racal/EADS 7064 single-slot prototyping module listings
Family	Racal VXI prototype and switch modules
Documentation Type	OEM 7064 module listing
Brand Lineage	Racal EADS Astronics
System Role	message-based prototype card
Related Switches	Racal 1260-series VXI switches
Control	VXI Word Serial message-based
Host Chassis	C-size VXI mainframe
Operating Temperature Class	VXI laboratory window
Year Class	Racal VXI prototype family
Card Format	single-slot prototype
User Circuit Class	user-defined circuitry on VXI backplane
Companion Role	prototype alongside Racal instrument modules
Bus	VXIbus
Documentation Class	OEM prototyping module catalog
Vendor Path	Racal EADS Astronics
Operating temperature	Class: VXI laboratory window

7064 Specifications

PARAMETER	VALUE
Applications	Custom message-based VXI instruments and prototype digital/analog circuitry in a one-slot C-size card.
Key Features	Single slot VXI prototype
Technical Specifications	Model: 7064

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: VXI laboratory window
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Operating Temperature Class	VXI laboratory window
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Card Format	single-slot prototype
User Circuit Class	user-defined circuitry on VXI backplane
Companion Role	prototype alongside Racal instrument modules
Bus	VXIbus
Documentation Class	OEM prototyping module catalog
Vendor Path	Racal EADS Astronics Notes From Racal/EADS/Astronics 7064 listings (single-slot message-based VXI prototyping module). Power-rail current, prototype area, and connector I/O are on the 7064 user manual.

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