

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Astronics / EADS / Racal 1266* at our website: *Click HERE*



Racal Instruments™ 1266

Portable 4-Slot VXIbus Chassis

The Racal Instruments™ 1266 is a low-cost, 4-slot, C-size, VXI chassis, designed and built with ISO-9001 certified quality. This chassis, when used either with sophisticated VXI instruments or carrier-mounted instruments (like M-Modules), makes light, portable, high-density, and cost-effective applications possible in a very small footprint.

Key Features

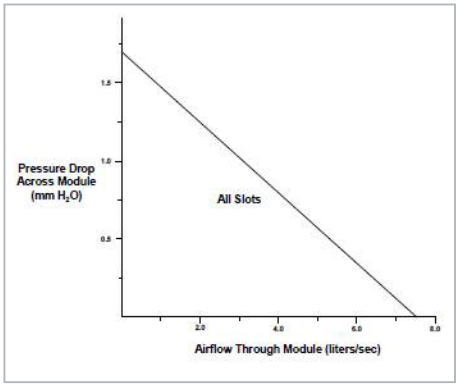
- **Low cost, 4-slot, VXI chassis suitable for data acquisition, switching, field service, or test systems**
- **Efficient, quiet cooling system to preserve instrument reliability**
- **Small 3U rack footprint saves valuable rack space**
- **Monitoring system checks VXI voltages, power supply temperature, and fan operation**
- **Rack mount options include cable ducts with slide or rail mount**
- **Small size and light weight makes portable VXI applications possible**

Product Information

The 1266, equipped with a convenient carrying handle on top, is ideal for portable applications. Available rack-mount kits (fixed and on slides) also make this chassis the natural choice for rack-mount applications with limited space, since only 3U of rack space is needed.

The 1266 uses a modular power supply assembly with a cable-less interconnect system that provides 250 W of available power and 175 W of usable power. Its high dynamic current ensures crisp signals and accurate measurements from installed modules. The chassis includes status indicators for all seven power supply rails, power supply temperature status, and fan operation.

Ample cooling air is delivered to the modules by means of a two-speed fan system designed to optimize audible noise and cooling. Chassis slot blockers are available which are easily installed to prevent cooling air from being diverted through unused slots.



Airflow curves generated using VXI-8 fixture and specifications.

ECO# 2010-EADSTS-12-13-14-MU. Uncontrolled Unclassified Information ("UUI"). This documentation does not contain ITAR-controlled data within the definition of the ITAR and has been reviewed and approved for release to non-US persons. EADS North America Proprietary Copyright © 2011

Specifications

Note: The EADS North America Test and Services policy is one of continuous development and improvement. Consequently, the equipment may vary in detail from the description and specifications in this publication.

Electrical Performance

Power Supply Input
- 115 VAC ±10%: 47-440 Hz
- 230 VAC ±10%: 47-66 Hz

Inrush Current
- 132 VAC: <35 A typical
- 264 VAC: <75 A typical

Max Input Power
- 280 VA

Front Panel Interface

System Monitor LEDs
- Power Supply Voltages (green = OK, amber = one or more out of spec)
- Power Supply Temperature (green = OK, amber = near thermal shutdown)
- Fan Status (green = OK, amber = fan not operating properly)

Interface

Usable Power
- 0° C to 40° C: 175 W
- 40° C to 50° C: 150 W
- 50° C to 55° C: 125 W

Power Supply Protection
- Over Voltage
- Over Temperature
- Short Circuit (to Ground)
- Short Circuit (Output/Output)

Periodic and Random Deviations (PARD)
- ±24 VDC: 150 mV_{pk-pk}
- All others: 50 mV_{pk-pk}

Peak Current and Dynamic Current
- Standard Power Supply:

	I_{MP} (A)	I_{MD} (A)
+5 V	17	2.5
-5.2 V	2	1
+12 V	2.7	1
-12 V	2	0.8
+24 V	2	1
-24 V	2	1
-2 V	2	1

Total Available Power: 250 W

Environmental
(MIL-T-28800 Type III, Class 5, Style F)

Acoustic Noise
- High Speed Fan: <40 dBA
- Variable Fan: <30 dBA typ

Temperature Range
- Operating: 0° C to 55° C
- Storage: -40° C to 71° C

Humidity
- Operating (0° C to 40° C): <95% RH
- Operating (40° C to 55° C): <65% RH
- Storage (0° C to 55° C): <95% RH
- Storage (55° C to 65° C): <90% RH

Altitude
- <3000 m

MTTR
- Fan: <30 minutes
- Power Supply: <20 minutes

EMC
- FCC 47 CFR Part 15 Class A
- CE: EN50081-1 Emissions; EN50082-1 Immunity

Safety
- EN61010-1, UL 3111-1

Mechanical

Mainframe Size
- VXIbus, 4 each C-size slots

Chassis Weight
- With Bumpers: 20 lbs (9.1 kg)
- Without Bumpers: 19 lbs (8.6 kg)

Dimensions (Horizontal mounting)
- With Bumpers: 6.0” H x 15.3” W x 21.6” D
- Without Bumpers:5.25” H x 14.3” W x 21.3” D

Fan Speed Modes
- High Speed: Maximum airflow
- Variable: Hi/Low controlled by power supply temperature

CE The CE Mark indicates that the product has completed and passed rigorous testing in the area of RF Emissions and Immunity to Electromagnetic Disturbances, and complies with European electrical safety standards.

Ordering Information

407866 : Racal Instruments™ 1266
C-Size, 4-slot VXIbus Mainframe

Available Options:

407870-009 : Option 01, Rack-Mount Slide Kit
407870-007 : Option 04, Rack-Mount Kit with Cable Route Adapter
407870-008 : Option 05, VPP-8 Support Rail Kit (for use with Rack Mount Kit)
407870-051 : Option 51, Backplane Connector Shrouds (8, installed)
407870-010 : Spare Standard 175 W Power Supply Module
407870-002 : Spare Fan Assembly
407870-004 : EMC Blanking Plate (1 each)

The 1266 is supplied with a U.S. power cord (standard) unless alternate power cord is requested at time of order placement. Contact factory.

All trademarks and service marks used in this document are the property of their respective owners.

- Racal Instruments is a trademark of EADS North America Test and Services in the United States and/or other countries

Copyright © 2010 EADS North America Test and Services
Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP