

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.

Visit our website - *Click HERE*



Racal Instruments™ 1260-700

Prototyping I/O Plug-in

The Racal Instruments™ 1260-700 is a prototyping plug-in with 88 digital I/O lines for the Adapt-a-Switch™ platform. The 1260-700 installs easily into the Racal Instruments™ 1260-100 Adapt-a-Switch™ VXIbus carrier or the Racal Instruments™ 1256 GPIB switching mainframe. Please refer to the 1260-100 or 1256 data sheet for specifications and product features.

Key Features

- **88 TTL I/O lines usable as either digital inputs or outputs**
- **Two-piece "open architecture" design allows the creation of user plug-ins**
- **Prototyping kit allows breadboarding of custom designs**
- **200 kHz VXI data rate**
- **Synchronous, asynchronous and mixed operating modes with 2-wire programmable handshaking**
- **Adapt-a-Switch™ plug-in design for VXIbus or GPIB operation**

Product Information

The 1260-700 uses a modular approach to achieve maximum flexibility for the 1260-100 VXIbus Carrier or 1256 Switching Mainframe user. The 1260-700 includes a connectorized interface section that provides connection to the Adapt-a-Switch™ platform and 88 channels of bi-directional digital I/O plus +5 VDC power protected by a self-healing fuse.

When installed in a 1260-100 VXIbus carrier, the 1260-700 also has fused +12 V and +24 V available. Also included is a prototyping kit, which includes a prototyping card with 0.1 x 0.1 inch prototyping grid, a connector to the interface section, and blank panel hardware.

The prototyping grid has a ground bus and two uncommitted buses which may be jumpered to an internal or external power supply. The 1260-700 uses an open-architecture design. The pinout of the 1260-700 interface section and layout of the "user-defined" section is provided so that custom plug-in boards may be designed.

For example, a user-defined custom switch card, Analog to Digital Converter (ADC) card, or Digital to Analog Converter (DAC) card may be substituted for the prototyping area.

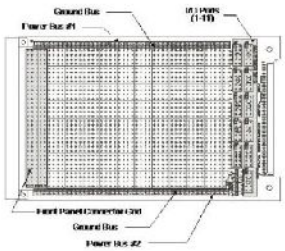
The blank front panel may be punched by the user to create a custom connector interface. As an option, the 1260-700 may be ordered with front panel cutouts for either a 64 or a 160 pin right angle DIN connector.

Each 8-bit digital I/O port is configurable as an input or an output and can be individually controlled in asynchronous mode or in synchronous mode.

The 1260-700's digital I/O has a two-wire handshake mode available for the control of synchronous I/O transactions. Each handshake line can be programmed as either active high or active low providing a flexible interface with user signals.

The 1260-700 is programmable in several operating modes and data may be manipulated in either hex, decimal or binary. Memory is available on the 1260-100 VXI Carrier or 1256 Mainframe allowing buffered I/O operations.

The Adapt-a-Switch™ series includes VXI*plug&play* support for frameworks based on Microsoft Win32® application programming interface, including drivers for LabWindows™/CVI and LabVIEW™.



User Prototyping Area Layout

ECO# 2010-EADSTS-12-13-4 -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

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

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.

Input/Output

Output Voltage	TTL
V_{out} (high)	≥3.8 VDC @ -8 mA
V_{out} (low)	≤0.33 VDC @ 6 mA
Input Voltage	**TTL**
V_{in} (high)	≥2 VDC
V_{in} (low)	≤0.8 VDC
V_{in} (max)	5.5 VDC

Available I/O Channels
- 88 Bi-directional TTL I/O

Configuration
- I/O lines selected as either input or output on a byte basis

Data Rate (VXIbus only)
- Static to 200 kHz (nominal)

Channel Synchronization
- Asynchronous, Synchronous or Mixed (Synchronous and Asynchronous)

Synchronous Trigger Handshake Polarity
- User Programmable

Synchronous Busy Handshake Polarity
- User Programmable

Interface

Front Panel I/O Interface Connector
- Blank front panel, 64-pin IDC or 160-pin DIN Connector

Power Requirements
- +5 VDC at 2.5 A maximum with all channels sourcing maximum loads

Environmental

Temperature
- Operating: 0° C to 55° C
- Storage: -40° C to 75° C

Relative Humidity
- 85% ±5% non-condensing at <30° C

Altitude
- Operating: 10,000 ft
- Non-Operating: 15,000 ft

Shock
- 30 g, 11 ms, 1/2 sine wave

Vibration
- 0.013 in. (pk-pk), 5 to 55 Hz

Bench Handling
- 4-inch drop at 45°

Emissions
- EN55011A with limits in accordance with EN50081-1

Immunity
- IEC801-2,3,4 with limits in accordance with EN50082-1

Safety
- EN61010-1

MTBF (MIL-STD-217E)
- >100,000 hrs

MTTR
- <5 min

Mechanical

Weight
- 3 oz (0.093 kg)

Dimensions
- 4.5" H x 0.75" W x 9.5" D

Cooling
- See 1260-100 and 1256 cooling data

Note: Mating connector not included.

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

Ordering Information

Note: When the 1260-112 is used in a VXI mainframe other than a 1256, a Racal Instruments™ Option 01T Smart Control Module must be installed in the mainframe's left-most slot.

407827 : Racal Instruments™ 1260-700
Prototyping Plug-in Module (Includes blank front panel)

405194 : 1260-700 Prototyping Interface (interface only, no prototyping area)

Accessories:

CPT-405108-001 : Racal Instruments™ Option 01T Smart Card Module installed (manual must be ordered separately, see below)
407531-001 : Racal Instruments™ Option 01T Smart Card Module (not installed) with manual
405190 : Spare User Prototyping Board (Includes interface connector)
405194 : Prototyping Interface (Interface only, no prototyping area)
407664 : 160-Pin DIN Connector Kit with Strain Relief
407609-001 : 160-Pin Cable Assembly, 6 ft, 24 AWG
407630-001 : Blank Front Panel kit
407630-003 : 160-Pin DIN Connector Front Panel kit
602004 : 64-Pin DIN IDC Connector Body
602159-064 : 64-Pin DIN Crimp Connector Body
602159-900 : DIN Crimp Pins for 64-Pin Connector Body
602559-000 : Spare Prototyping Board interface connector

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

- Racal Instruments is a registered trademark of EADS North America Test and Services in the United States and/or other countries.
- Microsoft and Win32 are trademarks of Microsoft Corporation in the United States and/or other countries.
- LabVIEW and LabWindows are trademarks of National Instruments in the United States and 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