

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*

ARINC

Portable ARINC Adapter

PA-100

FEATURES

- Up to four ARINC 429 channels
- Connects to RS-232 serial port on a notebook, desktop or other computer
- Battery or AC powered
- Can run stand-alone
- Easy-to-use *BusTools*/ARINC™ Windows-based GUI bus analyzer available
- Internal buffering and filtering
- User programable
- Easy-to-use
- Economical solution



The Condor Engineering PA-100 is an intelligent, portable adapter that provides a buffered interface between ARINC 429 databuses and a computer via a standard PC RS-232 serial port. It supports two ARINC receive channels and either one or two ARINC transmit channels. The PA-100 provides programmable bit rate, parity, slew rate and data filtering.

The adapter can be interfaced directly to a serial port on a notebook, desktop (or other) PC to create a powerful portable or laboratory based ARINC 429 test solution. It can be connected to a computer that provides at least one RS-232 standard serial interface. Multiple adapters can be connected to a given system, up to the number of available RS-232 ports. An international power converter is available.

Software

Accelerate ARINC development and testing activities with Condor's powerful software tools and solutions. Perform all basic databus testing functions with our no charge, easy-to-use, menu-driven software. Develop your own ARINC applications with our basic command set across the RS-232 interface.

Optional *BusTools*/ARINC (for Windows NT, 98 and 95) software provides a high-level solution for bus analysis and data logging.

Architecture

The PA-100 utilizes Condor's unique ROMless design, where the controlling firmware executes in Dual-Ported RAM. This greatly simplifies access to on-board firmware in custom applications, while supporting transparent upgrades of factory firmware.

CONDOR ENGINEERING

101 W. Anapamu Street, Santa Barbara, CA 93101
Tel 805.965.8000 • Fax 805.963.9630

ARINC

Portable ARINC Adapter

PA-100

SPECIFICATIONS

ARINC 429 Receive Channels

- Number of channels: 2
- Data rates: 12.5 KHz or 100 KHz
- Filtering: label, SDI, channel
- Buffer size: 8 KB per channel
- Parity: odd

ARINC 429 Transmit Channels

- Number of channels: 1 or 2
- 2 Tx channel version is multiplexed
- Data rates: 12.5 KHz or 100 KHz
- Parity: odd or even
- Buffer size: 4 KB per channel
- Transmit labels: all

RS-232 Channels

- Baud rates: 115200,, 57600, 38400, 19200, 9600, 4800, 2400, 1200 bps
- Parity: none
- Bits: 8
- Stop bits: 1
- Communications: full duplex or half duplex

Software

- API - DOS API included
- GUI - *BusTools*/ARINC GUI bus analyzer optional

Architecture

- Processor: Intel 80C188EB
- RAM: 32 KB SRAM
- 128 KB flash memory

Physical / Environmental

- Power: NiCard batteries or AC adapter 120V, 60Hz
- International power converter available
- Operating temperature: 0°C to +40°C
- RS-232 connector: nine pin female (standard D type)
- ARINC connector: nine pin female (standard D type)
- Weight: 14 oz
- Size: 6.1" x 3.6" x 1.4"

Throughput

- Transmit: up to 2777 ARINC words per second (theoretical max.)
- Receive: up to 3200 ARINC words per second (two channels)
- Aggregate: over 3500 ARINC words per second

Power (typical)

- 115 VDC: 200 mA

Warranty: 3 year limited hardware warranty

AVAILABLE CONFIGURATIONS

PA-100-1	ARINC 429 Portable adapter with 2 Rx, 1 Tx channels
PA-100-2	ARINC 429 Portable adapter with 2 Rx, 2 Tx channels
PA-100-2C	International ARINC 429 portable adapter with 2 Rx, 2 Tx channels; 230 VAC power adapter

Optional Software

***BusTools*/ARINC**	Bus analysis and simulation software for Windows NT, 98 and 95

See our on-line Commercial Products Configuration Guide for available configurations.
http://www.condoreng.com

©2005 Condor Engineering Inc. All rights reserved. Printed in the USA. *BusTools*/ARINC™ is a trademark of Condor Engineering, Inc. All other trademarks are the property of their respective owners. Specifications may change without notice. PA-100 7/05

CONDOR ENGINEERING

101 W. Anapamu Street, Santa Barbara, CA 93101
Tel 805.965.8000 · Fax 805.963.9630

www.condoreng.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