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

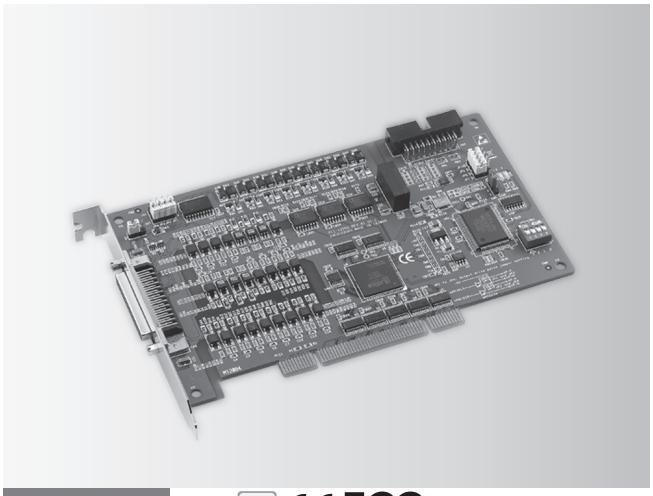
All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Advantech PCI-1240U* at our website: *Click HERE*

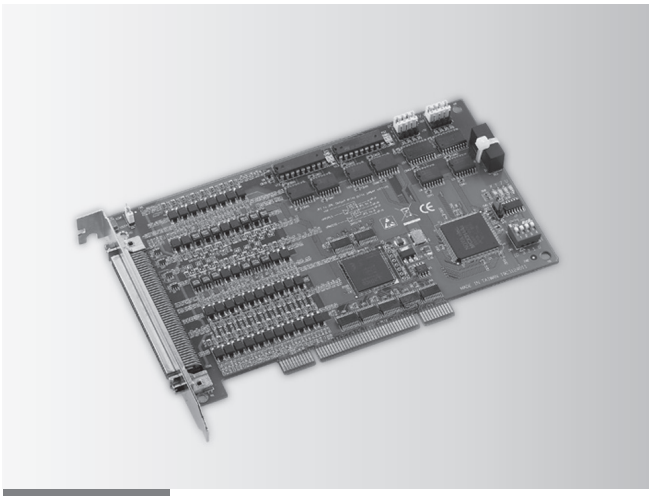
PCI-1220U
PCI-1240U

2-Axis Stepping and Servo Motor Control Universal PCI Card

4-Axis Stepping and Servo Motor Control Universal PCI Card



PCI-1220U



PCI-1240U

Specifications

Pulse-Type Motion Control

Motor Driver Support	Pulse-type servo/stepping
Number of Axis	4
Interpolation	2-axis linear, 2-axis circular
Max. Output Speed	4 Mpps
Step Count Range	±2, 147, 483, 646 (32-bit)
Pulse Output Type	Pulse/direction (1-pulse, 1-direction type), or CW/CCW (2-pulse type)
Position Counters	Range of command and actual position
Velocity Profiles	T-Curve, S-Curve
Local I/O	Machine Interfaces: LMT+, LMT-, ORG Servo Driver Interfaces: ALM, RDY, SVON, INP Position Compare I/O: CMP General Digital I/O: 12-ch DI, 16-ch DO

Encoder Interface

Input Type	Quadrature (A/B phase or up/down)
Counts /Enc. Cycle	x1, x2, x4 (A/B phase only)
Input Range	5 ~ 25 V
Isolation Protection	2,500 V_{DC}
Max. Input Freq.	1 MHz

General

Bus Type	PC/104
Certification	CE, FCC Class A
Connectors	2 x IDC 50-pin male connector
Dimensions (L x H)	96 x 90 mm (3.8" x 3.5")
Power Consumption	Typical: 5 V @ 850 mA Max.: 5 V @ 1 A
Humidity	5 ~ 95% RH, non-condensing (IEC 60068-2-3)
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Storage Temp.	-20 ~ 85°C (-4 ~ 185°F)

Ordering Information

PCI-1220U-AE	2-axis Stepping and Servo Motor Control Universal PCI Card

Accessories

ADAM-3952-AE	50-pin DIN-rail SCSI and Box Header Board
PCL-10150-1.2E	IDC-50 Flat Cable, 1.2m (PCM-3240 only)
PCL-10152-1E/3E	50-pin SCSI M-M Shielded Cable, 1m/3m
PCL-20153PA5-S2E	50-pin Cable to Panasonic A4/A5 Servo, 2 m
PCL-20153YS5-S2E	50-pin Cable to Yaskawa Sigma V/7 Servo, 2 m
PCL-20153MJ3-S2E	50-pin Cable to Mitsubishi J3/J4 Servo, 2 m
PCL-20153DA2-S2E	50-pin Cable to Delta A2 Servo, 2 m

Specifications

Pulse-Type Motion Control

Motor Driver Support	Pulse-type servo/stepping
Number of Axis	4
Interpolation	2-axis linear, 3-axis linear, 2-axis circular
Max. Output Speed	4 Mpps
Step Count Range	±2, 147, 483, 646 (32-bit)
Pulse Output Type	Pulse/direction (1-pulse, 1-direction type), or CW/CCW (2-pulse type)
Position Counters	Range of command and actual position
Velocity Profiles	T-Curve, S-Curve
Local I/O	Machine Interfaces: LMT+, LMT-, ORG Servo Driver Interfaces: ALM, RDY, SVON, INP Position Compare I/O: CMP General Digital I/O: 12-ch DI, 16-ch DO

Encoder Interface

Input Type	Quadrature (A/B phase or up/down)
Counts /Enc. Cycle	x1, x2, x4 (A/B phase only)
Input Range	5 ~ 25 V
Isolation Protection	2,500 V_{DC}
Max. Input Freq.	1 MHz

General

Bus Type	PC/104
Certification	CE, FCC Class A
Connectors	2 x IDC 50-pin male connector
Dimensions (L x H)	96 x 90 mm (3.8" x 3.5")
Power Consumption	Typical: 5 V @ 850 mA Max.: 5 V @ 1 A
Humidity	5 ~ 95% RH, non-condensing (IEC 60068-2-3)
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Storage Temp.	-20 ~ 85°C (-4 ~ 185°F)

Ordering Information

PCI-1240U-B2E	4-axis Stepping and Servo Motor Control Universal PCI Card

Accessories

ADAM-3956-AE	100-pin DIN-rail SCSI 4-axis Motion Wiring Board
ADAM-3955-AE	50-pin DIN-rail SCSI 2-axis Motion Wiring Board
ADAM-3952-AE	50-pin DIN-rail SCSI and Box Header Board
PCL-101100M-1E/2E/3E	100-pin SCSI Cable, 1m/2m/3m
PCL-10251-1E/2E/3E	100-pin SCSI to Two 50-pin SCSI Cable, 1m/2m/3m
PCL-20153PA5-S2E	50-pin Cable to Panasonic A4/A5 Servo, 2 m
PCL-20153YS5-S2E	50-pin Cable to Yaskawa Sigma V/7 Servo, 2 m
PCL-20153MJ3-S2E	50-pin Cable to Mitsubishi J3/J4 Servo, 2 m
PCL-20153DA2-S2E	50-pin Cable to Delta A2 Servo, 2 m

All product specifications are subject to change without notice.

Last updated: 9-Dec-2019

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