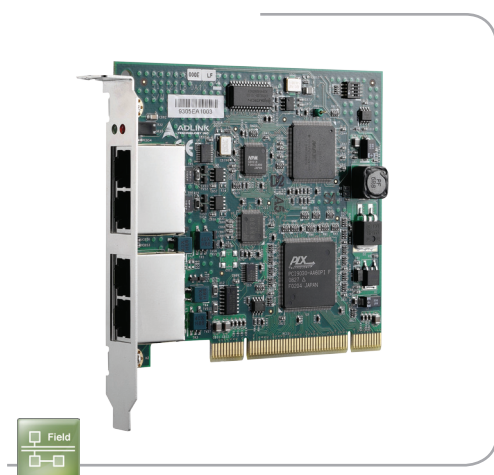


PCI-7856

Master-Slave Distributed Motion & I/O Master Controller



Introduction

The PCI-7856 is a PCI interface card which offers two ports for Motionnet and HSL systems for distributed motion and I/O in machine automation applications.

HSL technology allows thousands of I/O points to be scanned at the millisecond-level in real time by using master-slave architecture. Commercial Ethernet cables with RJ45 connector are used for simplified setup of the HSL slaves modules as close as possible to sensor devices which results in a dramatic reduction of wiring. System integrators can benefit from HSL network because it integrates discrete I/O and analog I/O modules. This local network features rapid response, real-time scanning.

Features

- Connect I/O points up to 2,016 points
- Connect motion axis up to 256 axes
- Programmable timer interrupt
- RJ-45 jack for easy installation
- Software selectable transmission speed: 3/6/12 Mbps for HSL
- Software selectable transmission speed: 2.5/5/10/20 Mbps for Motionnet
- Non-volatility RAM onboard

Software Support

OS Information

- Windows® 8/7/XP
- RTX 5.x/6.x/8.1a

Software Compatibility

- VB/VC++/BCB/Delphi
- Various sample programs with source codes

Software Recommendations

- MotionCreatorPro2

Ordering Information

■ PCI-7856

Master-slave distributed motion & I/O master controller

Specifications

■ Bus	PCI local bus specification Rev. 2.1 compliant
■ Master Controller	<ul style="list-style-type: none"> • Dedicated Motion Controller: Motionnet ASIC master control (80 MHz external clock) • Dedicated I/O Controller: HSL ASIC master control (48 MHz external Clock)
■ Interface	<p>Motionnet</p> <ul style="list-style-type: none"> • RS-485 with transformer isolation • Half duplex communication • 2.5/5/10/20 Mbps transmission rate can be set by software (20 Mbps default) <p>HSL</p> <ul style="list-style-type: none"> • RS-485 with transformer isolation • Full duplex communication • 3/6/12 Mbps transmission rate can be set by software (6 Mbps default)
■ Connector	RJ45 connector x 4 (MRJ45 connector for Motionnet; HRJ45 connector for HSL)
■ Interrupt	Status read back
■ LED Indicator	Link status (Red for Motionnet Link status; Green for HSL Link status)
■ Storage Temperature	-20°C to +80°C (-4°F to 176°F)
■ Power Consumption	+3.3 V @ 1.2 A (typical) +5 V @ 1.5 A (typical)
■ Dimensions	119.5 mm x 100.2 mm (L x W) (4.66" x 3.9")

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Interface Modules](#) category:

Click to view products by [ADLINK Technology](#) manufacturer:

Other Similar products are found below :

[8500-003](#) [IFD8520](#) [cPCI-3544](#) [422CON](#) [ATX6022/14GP7](#) [ATX6022/8](#) [AX93221-24/48](#) [FC6A-EXM2](#) [OPT8AP-AE](#) [96RMKVM-19V1C-A](#)
[60016-011](#) [60016-014](#) [60006-008](#) [60011-075](#) [HPCI-14S12U](#) [cBP-3208](#) [cBP-3062A](#) [FAB205-6P5](#) [ATX6022/6](#) [60016-012](#) [96RMKVM-](#)
[17V1C-A](#) [PCE-DP10-00A1E](#) [MOS-1120Y-0201E](#) [96RMLCD-17V1-A](#) [96RMKVM-17V8C-A](#) [60004-005](#) [60016-017](#) [60006-009](#) [60016-035](#)
[60016-034](#) [60016-031](#) [60016-030](#) [60016-026](#) [60016-024](#) [60016-018](#) [60016-007](#) [60016-005](#) [60007-002](#) [60006-010](#) [AXX10GBTWLHW3](#)
[382-BBEH](#) [555-BDCL](#) [K6CMISZBI52](#) [426451401-3](#) [60011-093](#) [MIC-3620/3-BE](#) [MPCIE-UART-KIT02-R20](#) [RSM232](#) [PCIE-1680-AE](#) [BB-](#)
[FOSTCDRI](#)