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Data Sheet

August 15, 2026

AMPLICON

Amplicon Liveline PCI215 Digital I/O and Counter/Timer Board

Amplicon Liveline PCI215 48-Channel Digital I/O and Counter Timer PCI Board The PCI215 is a 32-bit 5 V PCI 2.1 digital I/O and counter/timer board. OEM/Laboratory Talk coverage lists 48 TTL DIO lines, six 16-bit 10 MHz counter/timers, two 82C55 PPI chips (three 8-bit ports each, portCsplittable to 4-bit), two 82C54 timers (three channels each), on-board 10 MHz crystal, PLX 9052 bridge, 5 V host supply 220 mA typical or up to 300 mA with all 48 DIO loaded, 78-way connector compatible with ISA PC214E/C215E cables, interrupt-controlled operation, CE/EMC tested, Windows 95/98/NT/2000 drivers. Library: 8 DIO, 44 counter/timer, and 29 generic functions. Artisan overlay 5 V PCI, P/N 96003513. The PCI215 is a 32-bit 5 V PCI 2.1 digital I/O and counter/timer board. OEM/Laboratory Talk coverage lists 48 TTL DIO lines, six 16-bit 10 MHz counter/timers, two 82C55 PPI chips (three 8-bit ports each, portCsplittable to 4-bit), two 82C54 timers (three channels each), on-board 10 MHz crystal, PLX 9052 bridge, 5 V host supply 220 mA typical or up to 300 mA with all 48 DIO loaded, 78-way connector compatible with ISA PC214E/C215E cables, interrupt-controlled operation, CE/EMC tested, Windows 95/98/NT/2000 drivers. Library: 8 DIO, 44 counter/timer, and 29 generic functions. Artisan overlay 5 V PCI, P/N 96003513. PCI hosts replacing ISA PC214E/C215E for 48-line TTL control and six 10 MHz 16-bit ti



MODEL

Amplicon PCI215

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PCI215

LISTING

<https://aumictechlabs.com/products/pci215-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

Counter/Timers: * Six 16-bit counter/timers. * Operates under the control of a 10MHz crystal clock oscillator, with selectable rates. * Each counter/timer has six programmable counter modes, including: * Interrupt on Terminal Count * Hardware Re-triggerable One-Shot * Rate Generator * Square Wave Generation * Software Triggered Mode * Hardware Triggered Strobe (Re-triggerable) * Support for countdown, stopwatch, frequency/period measurement, frequency generation, square wave output, and Pulse Width Modulation (PWM) output. * Clock input can be configured for an external source. PCI Interface: * PCI Bus version 2.1 compatible. * 32-bit, 5V PCI compatible. * Plug and Play interface for simplified installation. Electrical Characteristics: * Powered by the 5V supply from the host PC. * The 5V supply rail is available for external use via the I/O connector. * Counter outputs: Low output voltage +0.4V max at +2.5mA.

PCI215 Characteristics / Specifications

PARAMETER	VALUE
Model	PCI215
Instrument Type	PCI digital I/O and counter/timer board
Family	Amplicon Liveline 200 series
Dio Lines	48 TTL compatible
Ppi Devices	two 82C55, three 8-bit ports each, portCsplittable to 4 bit
Timer Devices	two 82C54, three channels each
Timer Width	six 16-bit counters
Timer Clock	10 MHz on-board crystal
Host Bus	32-bit 5 V PCI version 2.1
Bridge	PLX 9052
Supply Current	220 mA typical from 5 V; up to 300 mA with all 48 DIO loaded
Connector	78-way, identical to ISA PC214E / C215E
Interrupts	interrupt controlled operation
Isa Compatibility	backward compatible cables and terminations with PC214E and C215E
Emc	CE marked, EMC directive tested
Software	Windows 95/98 and NT/2000 drivers; VEE, Visual Basic, Delphi examples
Library Dio	8 DIO specific functions
Library Timer	44 counter/timer functions
Library Generic	29 generic board/PC functions
Expansion	EX233 78-terminal panel with three 37-wayDconnectors
Part Overlay	96003513 (Artisan 5 V PCI example)
Manufacturer	Amplicon Liveline Ltd, Brighton
Literature	Amplicon PCI215 product coverage (Laboratory Talk / T&M) and PCI215 datasheet bullets
System Role	PCI 48-line DIO plus six timers

PCI215 Specifications

PARAMETER	VALUE
Applications	PCI hosts replacing ISA PC214E/C215E for 48-line TTL control and six 10 MHz 16-bit timers.
Key Features	48 TTL DIO via dual 82C55
Technical Specifications	Model: PCI215

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes

From Amplicon PCI215 product announcements (48 DIO, six 10 MHz 16-bit timers, 82C55/82C54, PLX 9052, 220/300 mA). PCIE215 is later 3.3 V x1 sibling and is not this SKU.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.