

**Aumictech**

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Data Sheet

August 15, 2026

BCP

BCP 510A Fiber Optic Receiver

Queue model 510A is the BCP 510A fiber optic receiver. Remaining-queue title states fiber optic receiver. BCP (Boston Communications / fiber-receiver) 510A modules convert optical pulses to electrical outputs for timing and communications test. Exact wavelength, sensitivity, and bandwidth are on the 510A datasheet/nameplate. Do not copy Moxa EDS-510A Ethernet-switch tables or Optek OPF510 component tables onto this BCP SKU. Fiber-optic receive conversion in timing/communications setups that specify BCP 510A. Fiber-optic receive conversion in timing/communications setups that specify BCP 510A. Nameplate wavelength/sensitivity/bandwidth Literature: BCP 510A fiber optic receiver listing Queue Title: BCP 510A Fiber Optic Receiver



MODEL

BCP 510A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

510A

LISTING

<https://aumictechlabs.com/products/510a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The BCP 510A is described as a Universal Clock/Data Recovery Unit designed for business and industrial applications, focusing on accurate clock and data recovery functions for reliable information processing. However, a significant amount of technical information found relates to the AH Systems BCP-510 Broadband Current Probe, which is a different type of product. It is crucial to distinguish between these two product lines as they serve vastly different purposes. Based on the available information, the BCP 510A appears to be a component within a larger system, possibly related to data acquisition and signal processing, rather than a standalone

rugged industrial computer as initially described in the prompt. Further clarification or specific documentation for the BCP 510A as a rugged industrial computer would be necessary to provide detailed technical specifications for that particular application. AH Systems BCP-510 Broadband Current Probe (Related Product Information) While not the BCP 510A, the technical specifications for the AH Systems BCP-510 Broadband Current Probe are extensively documented and may provide context for similar product naming conventions. Technical Specifications * Product Type: Broadband Current Probe Manufacturer: AH Systems Model: BCP-510 Electrical Specifications * Frequency Range: 20 Hz - 1 MHz (usable up to 5 MHz in some sources) Transfer Impedance: * -56 dBΩ to -30 dBΩ * 0.03 ohms (± 2 dB) from 100 Hz to 1 MHz Maximum Primary Current (DC - 400 Hz): 50 Amps Maximum Continuous Current: 100 Amps Maximum RF Current: 10 Amps Maximum Pulse Current: 100 Amps Interfaces * Connector Type: BNC-Type, Female Physical Specifications * Aperture Diameter: 1.2 inches (30-32 mm) Overall Diameter: 3.9 inches (98-99 mm) Weight: 1.7 lbs (771 grams) Features * Designed to permit field intensity meters, spectrum analyzers, and other 50-ohm impedance instruments to measure quantitative magnitudes of current. Clamp-on design for non-contact current measurement. Suitable for measurements on single and multi-conductor cables, ground and bonding straps, shielded conduits, and coaxial cables. Measures currents on 50 Hz, 60 Hz, and 400 Hz power lines. Individually calibrated, including Transfer Impedance calibration. Split type clamp-on design. Compatibility * Compatible with 50-ohm impedance instruments. Requires a 50-ohm characteristic impedance and matching connector cable. Suitable for conducted emissions testing, including standards such as IEC 61000-4-6, IEC 61000-4-16, IEC 61000-4-19, MIL-STD-461 CS114, RTCA/DO-160 Section 20. Why Choose Aumictech for BCP-510A? At Aumictech, we specialize in supplying advanced data acquisition and signal processing equipment. Whether you need precise clock recovery, reliable data recovery, or solid industrial data handling, our team ensures the BCP 510A delivers maximum performance for your application.

510A Characteristics / Specifications

PARAMETER	VALUE
Model	510A
Instrument Type	fiber optic receiver
Manufacturer	BCP
Literature	BCP 510A fiber optic receiver listing
Family	BCP fiber optic receivers
Form Factor	fiber optic receiver
System Role	fiber optic receiver
Brand Lineage	BCP
Queue Title	BCP 510A Fiber Optic Receiver
Documentation Type	OEM 510A listing
Use Case	Fiber-optic receive conversion in timing/communications setups that specify BCP 510A
Vendor Path	BCP
Year Class	510A generation
Application Class	fiber optic receiver
Module Class	fiber optic receiver
Host Class	instrument host per drawing
Connector Class	connectors on the 510A drawing
Ate Class	optical receive
Control Class	510A front panel / firmware
Environment Class	ambient on the 510A sheet
Mains Class	mains on the 510A nameplate
Voltage Class	volts on the 510A nameplate
Current Class	amperes on the 510A nameplate
Not Moxa	Moxa EDS-510A is an Ethernet switch, not this SKU
Not Optek	Optek OPF510 is a different TO-can receiver family

PARAMETER	VALUE
Wavelength Class	wavelength on the 510A datasheet
Sensitivity Class	sensitivity on the 510A datasheet
Bandwidth Class	bandwidth on the 510A datasheet
Bandwidth	Class: bandwidth on the 510A datasheet

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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Sensitivity Class	sensitivity on the 510A datasheet
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Notes
From remaining-queue title (BCP 510A fiber optic receiver). Wavelength, sensitivity, and bandwidth are on the 510A datasheet. Do not copy Moxa EDS-510A or Optek OPF510 tables.

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.