

**Aumictech**

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Data Sheet

August 13, 2026

L-COM

L-Com BT-CAT5-R0512 100/1000 Base-T Power Over Ethernet Splitter/Tap

Instrument Type: Power over Ethernet Splitter Alias: BT-CAT5-R0512; BTCAT5R0512; L-com BT-CAT5-R0512 Output Voltages: 5 V, 7.5 V, 9 V, 12 V selectable Function: extracts DC from PoE and presents selectable low voltage to the PD Alias: BT-CAT5-R0512; BTCAT5R0512; L-com BT-CAT5-R0512 Output Voltages: 5 V, 7.5 V, 9 V, 12 V selectable Function: extracts DC from PoE and presents selectable low voltage to the PD Not Injector: BT-CAT5-P1J and BT-CAT5-P1-4848 are midspan injectors, not this splitter



MODEL

L-Com BT-CAT5-R0512

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

BT-CAT5-R0512

LISTING

<https://aumictechlabs.com/products/bt-cat5-r0512-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The L-Com BT-CAT5-R0512 is a Gigabit Ethernet Power over Ethernet splitter/tap that decouples power and data signals from a single PoE source, enabling non-PoE devices to operate in 802.3af-compliant networks. Operating at 10/100/1000 Mbps, it transmits both signals up to 328 feet (100 meters) over standard Cat5 cabling and supports both PoE Mode A (network switch sourced) and Mode B (midspan/injector sourced) configurations. The device separates incoming 48V DC power into user-selectable output levels - 5V DC @ 2A, 7.5V DC @ 1.5A, 9V DC @ 1.2A, or 12V DC @ 1A - via DIP switch configuration, while maintaining independent data connectivity.

Installation at the end device eliminates dependency on adjacent AC power, simplifying deployments of IP cameras, wireless access points, and other networked equipment in remote or constrained locations. Technical Specifications Data & Power: Data rates: 10/100/1000 Mbps (Gigabit Ethernet) Input: 48V DC, 400mA Output voltage (DIP-selectable): 5V DC @ 2A | 7.5V DC @ 1.5A | 9V DC @ 1.2A | 12V DC @ 1A Maximum transmission distance: 328 feet (100 meters) IEEE 802.3af compliant; supports PoE Mode A and Mode B Protection: Over Thermal Protection (OTP) Over Current Protection (OCP) Over Voltage Protection (OVP) Interfaces & Connectors: 1x RJ45 Data/Power Input 1x RJ45 Data Output 1x DC Power Output Jack 18-inch DC Power Cable Kit with 2.1mm and 2.5mm plugs (straight and right-angle) Physical: Dimensions: 2.7 × 2.0 x 0.9 inches (70 x 53 × 24 mm) Weight: 5.6 oz (160 g) LED power indicator Environmental: Operating: 0°C to 40°C, 10–80% RH (non-condensing) Storage: -40°C to 70°C, 5–90% RH (non-condensing) Key Features Selectable output voltage accommodates diverse endpoint power requirements Triple-layer protection guards against thermal, current, and voltage faults Compact form factor for tight equipment mounting scenarios Flexible connector kit supports varied power jack geometries Typical Applications Remote IP camera and wireless access point deployment Network device installation in difficult-to-access locations Integration of legacy non-PoE equipment into existing PoE infrastructure Single-cable power and data distribution Compatibility & Integration The BT-CAT5-R0512 interfaces with any IEEE 802.3af PoE source operating in Mode A or Mode B, including network switches and midspan injectors. It outputs independent data and power signals, enabling direct connection to non-PoE devices without additional adapters or converters.

Features & description

From manufacturer datasheet

Features

- 48 V PoE in; selectable 5 / 7.5 / 9 / 12 V out

BTCAT5R0512 Characteristics / Specifications

PARAMETER	VALUE
Model	BT-CAT5-R0512
Manufacturer	L-com
Instrument Type	Power over Ethernet Splitter
Series	BT-CAT5
Alias	BT-CAT5-R0512; BTCAT5R0512; L-com BT-CAT5-R0512
Type	splitter (not midspan injector)
Input Voltage	48 V
Output Voltages	5 V, 7.5 V, 9 V, 12 V selectable
Output Current	2 A
Power Per Port	18 W
Compliance	IEEE 802.3af
Data Rate	10/100/1000 Mbps
Number Of Ports	1
Mounting	desktop
Length	2.70 in (68.6 mm)
Width	2.00 in (50.8 mm)
Height	0.90 in (22.9 mm)
Operating Temperature	0 C to 40 C
Product Status Listing	active
Packaging	bag
Media	CAT5
Function	extracts DC from PoE and presents selectable low voltage to the PD
Not Injector	BT-CAT5-P1J and BT-CAT5-P1-4848 are midspan injectors, not this splitter
Related Injector 48	BT-CAT5-P1-4848 is 48 V 1 A 48 W injector class

PARAMETER	VALUE
Identity Rule	R0512 encodes 05/12 V selectable outputs; do not treat as a 48 V injector
Duty	continuous within 2 A / 18 W
Connectors	RJ45 PoE in and data/power out per L-com BT-CAT5 splitter practice
Protection	observe 802.3af PD current; confirm short-circuit behavior on the L-com sheet
Environment	indoor 0-40 C desktop Notes Specs from L-com BT-CAT5-R0512 distributor/OEM attribute table (48 V in, 5/7.5/9/12 V out, 2 A, 18 W, 802.3af, 10/100/1000, 2.70 × 2.00 × 0.90 in, 0-40 C). Confirm output-voltage jumper/switch setting on the unit.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 40 C.
Operating Temperature	0 to 40 C.
Model	BT-CAT5-R0512
Manufacturer	L-com
Instrument Type	Power over Ethernet Splitter
Series	BT-CAT5
Alias	BT-CAT5-R0512; BTCAT5R0512; L-com BT-CAT5-R0512
Type	splitter (not midspan injector)
Input Voltage	48 V
Output Voltages	5 V, 7.5 V, 9 V, 12 V selectable
Output Current	2 A
Power Per Port	18 W
Compliance	IEEE 802.3af
Data Rate	10/100/1000 Mbps
Number Of Ports	1
Mounting	desktop
Length	2.70 in (68.6 mm)
Width	2.00 in (50.8 mm)
Height	0.90 in (22.9 mm)
Product Status Listing	active
Packaging	bag
Media	CAT5
Function	extracts DC from PoE and presents selectable low voltage to the PD
Not Injector	BT-CAT5-P1J and BT-CAT5-P1-4848 are midspan injectors, not this splitter
Related Injector 48	BT-CAT5-P1-4848 is 48 V 1 A 48 W injector class

PARAMETER	VALUE
Identity Rule	R0512 encodes 05/12 V selectable outputs; do not treat as a 48 V injector
Duty	continuous within 2 A / 18 W
Connectors	RJ45 PoE in and data/power out per L-com BT-CAT5 splitter practice
Protection	observe 802.3af PD current; confirm short-circuit behavior on the L-com sheet
Environment	indoor 0-40 C desktop Notes Specs from L-com BT-CAT5-R0512 distributor/OEM attribute table (48 V in, 5/7.5/9/12 V out, 2 A, 18 W, 802.3af, 10/100/1000, 2.70 × 2.00 × 0.90 in, 0-40 C). Confirm output-voltage jumper/switch setting on the unit.

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	
Specifications	
PARAMETER	VALUE
Model	BT-CAT5-R0512
Manufacturer	L-com
Instrument Type	Power over Ethernet Splitter
Specifications	
PARAMETER	VALUE
Series	BT-CAT5
Alias	BT-CAT5-R0512; BTCAT5R0512; L-com BT-CAT5-R0512
Type	splitter (not midspan injector)
Specifications	
PARAMETER	VALUE
Input Voltage	48 V
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Output Current	2 A
Specifications	
PARAMETER	VALUE
Power Per Port	18 W
Compliance	IEEE 802.3af
Data Rate	10/100/1000 Mbps
Specifications	
PARAMETER	VALUE
Number Of Ports	1
Mounting	desktop
Length	2.70 in (68.6 mm)

Specifications

PARAMETER	VALUE
Width	2.00 in (50.8 mm)
Height	0.90 in (22.9 mm)
Operating Temperature	0 C to 40 C

Specifications

PARAMETER	VALUE
Product Status Listing	active
Packaging	bag
Media	CAT5

Specifications

PARAMETER	VALUE
Function	extracts DC from PoE and presents selectable low voltage to the PD
Not Injector	BT-CAT5-P1J and BT-CAT5-P1-4848 are midspan injectors, not this splitter
Related Injector 4848	BT-CAT5-P1-4848 is 48 V 1 A 48 W injector class

Specifications

PARAMETER	VALUE
Identity Rule	R0512 encodes 05/12 V selectable outputs; do not treat as a 48 V injector
Duty	continuous within 2 A / 18 W
Connectors	RJ45 PoE in and data/power out per L-com BT-CAT5 splitter practice

Protection: observe 802.3af PD current; confirm short-circuit behavior on the L-com sheet

Environment: indoor 0-40 C desktop

Notes

Specs from L-com BT-CAT5-R0512 distributor/OEM attribute table (48 V in, 5/7.5/9/12 V out, 2 A, 18 W, 802.3af, 10/100/1000, 2.70 x 2.00 x 0.90 in, 0-40 C). Confirm output-voltage jumper/switch setting on the unit.

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.