AEM networks

Future Smart.

PROFESSIONAL CABLE TESTING, WITHOUT THE PREMIUM PRICE

CuBLU

CuBLU is designed for installers who need more than a basic wiremap tester without the cost and complexity of a higher-end certification tool.

Compact, rechargeable and easy to use, the CuBLU series delivers advanced cable testing without the cost and complexity of traditional certification tools. From cable verification and fault identification to cable tracing, voltage detection and test result documentation through the free UniBLU app, CuBLU helps installation teams work faster, diagnose problems more accurately and deliver more professional results.

AEM networks

Field Diagnostics Beyond the Basics

Entry-level cable testers are often limited to basic continuity and wiremap verification. CuBLU goes further by combining advanced diagnostic capabilities in a compact, rechargeable and cost-effective platform.

Features include fault identification, shield detection, split-pair identification, voltage detection, tone generation and support for up to 16 remote IDs. CuBLU II and CuBLU III also add cable length and resistance measurements, while CuBLU III includes passive PoE detection for safer testing around powered Ethernet ports.

CuBLU's real advantage extends beyond affordability. It delivers a more professional testing experience, providing better diagnostics, clearer results and greater field productivity than many similarly priced testers.

App-Connected Documentation

CuBLU II and CuBLU III bring cable testing into a more modern workflow through Bluetooth 5.4 connectivity and the free UniBLU app. Today's testing is about more than simply identifying faults. Installers increasingly need to demonstrate that work has been completed correctly and provide clear, documented evidence.

The UniBLU app allows users to save, review and export test results directly from the field, creating a more efficient and professional workflow.

For contractors, this means better project handover, greater customer confidence and improved traceability. To project managers, it provides increased visibility across site activity. For technicians, it eliminates manual note-taking, photographs of test screens and end-of-day paperwork.

CuBLU's advantage isn't just affordability – it's the ability to deliver a more professional testing experience through better diagnostics, clearer results and greater field productivity.

	Other Wiremap Testers	CuBLU	CuBLU II	CuBLU III
Price	Approx US$85	US$60	US$120	US$290
Wiremap testing	Limited types of wiremap faults	All fault types – open, short, split, miswire, crossover and multi-fault	All fault types – open, short, split, miswire, crossover and multi-fault	All fault types – open, short, split, miswire, crossover and multi-fault
Length and resistance	Rarely available	No	Length up to 120 meters + DC resistance per pair	Length up to 120 meters + DC resistance per pair
Max cable length for wiremap test	600 meters	800 meters	800 meters	800 meters
Loop/continuous test	Yes	Yes	Yes	Yes
Pass/fail on cable types	RJ45	RJ45	RJ45, RJ11, RJ12, M12, Coax	RJ45, RJ11, RJ12, M12, Coax
7-tone generator	Yes	Yes	Yes	Yes
Voltage detection (60V)	Rarely available	External voltage detection	External voltage detection	External voltage detection
PoE	No	No	No	Up to 802.3 BT (90 Watts), reports voltage, PoE type, PoE pairs
Battery	AA/AAA	USB-C, rechargeable lithium-ion battery	USB-C, rechargeable lithium-ion battery	USB-C, rechargeable lithium-ion battery
Auto off + battery indicator	No	Yes	Yes	Yes
Display	LEDs or monochrome LCD	Colour TFT LCD	Colour TFT LCD or UniBLU mobile app	Colour TFT LCD or UniBLU mobile app
Remote number display (×16)	Wiremap testing only possible with remote ID 1	Wiremap testing on all 16 remote IDs	Wiremap testing on all 16 remote IDs	Wiremap testing on all 16 remote IDs
iOS and Android app	No	No	UniBLU app	UniBLU app
Test results saving	No	No	In UniBLU app	In UniBLU app
Project management, documentation and reporting	No	No	In UniBLU app	In UniBLU app
Cloud sync for team workflows	No	No	Yes	Yes

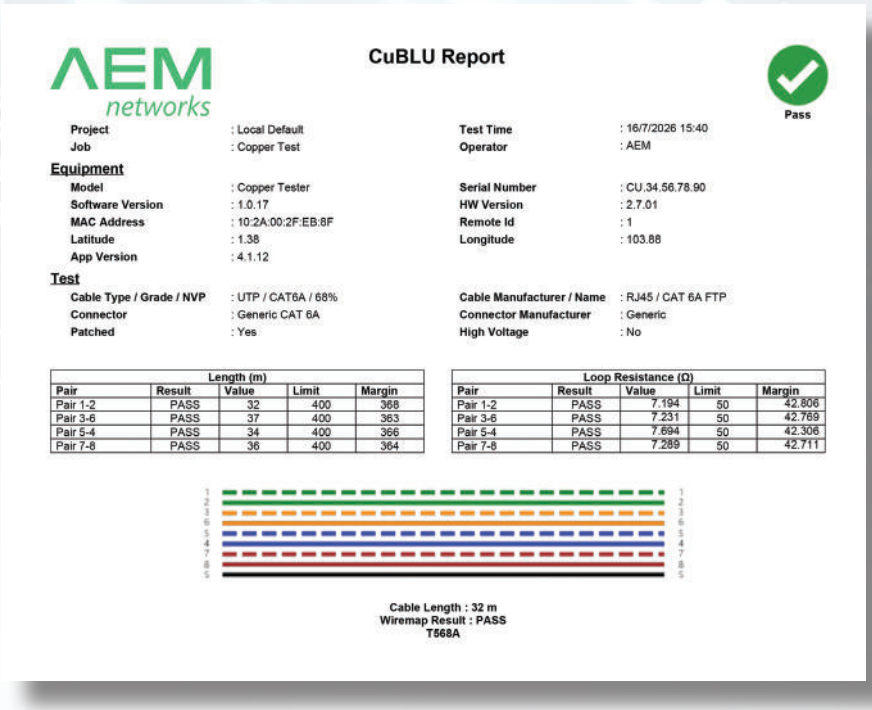
Built for Real Field Work

CuBLU is designed around the practical features that matter on-site.

The rechargeable 2600 mAh battery eliminates the need for disposable batteries, while USB-C charging makes it easy to recharge using common chargers and power banks. A 96-hour battery life supports extended workdays and multi-day projects, while the compact 197-gram design makes the tester easy to carry from job to job.

The tester also includes voltage detection before connection, helping technicians identify potentially live cables before testing begins. CuBLU III adds passive PoE detection, allowing users to safely and non-disruptively identify powered Ethernet ports.

These practical design features help installers work faster, test more confidently and reduce interruptions in the field.



AEM networks

CuBLU Report

Pass

Project	: Local Default	Test Time	: 16/7/2026 15:40
Job	: Copper Test	Operator	: AEM
Equipment			
Model	: Copper Tester	Serial Number	: CU.34.56.78.90
Software Version	: 1.0.17	HW Version	: 2.7.01
MAC Address	: 10:2A:00:2F:EB:8F	Remote Id	: 1
Latitude	: 1.38	Longitude	: 103.88
App Version	: 4.1.12		
Test			
Cable Type / Grade / NVP	: UTP / CAT6A / 68%	Cable Manufacturer / Name	: RJ45 / CAT 6A FTP
Connector	: Generic CAT 6A	Connector Manufacturer	: Generic
Patched	: Yes	High Voltage	: No

Length (m)

Pair	Result	Value	Limit	Margin
Pair 1-2	PASS	32	400	368
Pair 3-6	PASS	37	400	363
Pair 5-4	PASS	34	400	366
Pair 7-8	PASS	36	400	364

Loop Resistance (Ω)

Pair	Result	Value	Limit	Margin
Pair 1-2	PASS	7.194	50	42.806
Pair 3-6	PASS	7.231	50	42.769
Pair 5-4	PASS	7.694	50	42.306
Pair 7-8	PASS	7.289	50	42.711

Cable Length : 32 m
Wiremap Result : PASS
T568A

CAT6A Test Report

UniBLU app connectivity allows technicians to save, review and export field test results, improving documentation, traceability and reporting.

KEY PRODUCT DIFFERENTIATORS

CuBLU combines advanced diagnostics, app-based documentation and practical field features to deliver a more professional testing experience than many comparably priced cable testers.

Wiremap Testing & Shield Detection

CuBLU performs wiremap testing across all eight conductors while also verifying cable shielding. This helps technicians quickly identify wiring faults before cables are patched, commissioned or handed over.

Rechargeable 96-Hour Battery

With up to 96 hours of runtime and convenient USB-C charging, CuBLU is designed for long workdays, multi-day projects and installation teams that cannot afford unnecessary downtime.

Resistance and Length Measurement

CuBLU II and CuBLU III add cable length measurements of up to 120 metres and DC resistance measurements per pair. These capabilities extend testing beyond simple pass/fail verification, providing technicians with more detailed information for troubleshooting and cable validation.

Colour TFT LCD

Unlike many low-cost testers that rely on basic monochrome displays, CuBLU features a colour TFT LCD for improved visibility. Results are easier to read, interpret and act upon during installation and troubleshooting.

PoE Detection

CuBLU III provides passive PoE detection, allowing technicians to identify powered Ethernet ports before testing or connection. Because detection is passive and non-disruptive, it is ideal for live network environments where connected devices should not be interrupted.

UniBLU App-Based Documentation

CuBLU II and CuBLU III connect to the UniBLU app, allowing technicians to save, document and export test results directly from the field. This improves traceability, simplifies documentation and supports a more professional project handover.

Complete Fault Diagnosis

CuBLU identifies six common fault types, including open, short, miswire, crossover, split pair and multi-fault conditions. This provides technicians with more detailed fault information than a simple pass/fail result, reducing troubleshooting time and helping identify problems more quickly.

Up to 16 Remote IDs

CuBLU supports up to 16 remote IDs, with the selected remote number clearly displayed on the screen. This helps installers identify and verify multiple cable runs more efficiently across rooms, racks and patch panels.

Automatic Cable Recognition

The UniBLU app automatically identifies the cable type under test, including coax, RG11/12, single-pair and customised wire configurations. Matching connection diagrams and pass/fail criteria provide clearer results and more accurate documentation.

Cable Tracing

Seven selectable tone frequencies help technicians trace cables through bundles, walls, racks and patching areas. Compatible with standard toner probes, CuBLU makes cable identification faster and easier during installation and troubleshooting.

Voltage Detection

CuBLU detects AC/DC voltage before connection, helping protect technicians from live cables in the field. This is particularly useful in environments where low-voltage cabling and electrical wiring are installed alongside one another.

AEM networks

Designed For Real-World Installations

Structured Cabling Installations

CuBLU is ideal for CAT5e, CAT6 and CAT6A installation and verification in offices, commercial buildings, warehouses and campus environments.

It gives installation teams a practical way to verify cable runs, identify common wiring faults and confirm cable identity before handover. Support for up to 16 remote IDs also improves productivity when working across multiple drops, patch panels and telecommunications rooms.

Smart Buildings, Security and AV

Modern buildings rely heavily on copper cabling to support IP cameras, access control systems, displays, sensors and AV equipment.

CuBLU is well suited to these environments because it combines wiremap testing, cable tracing, voltage detection and, with CuBLU III, passive PoE detection. App-based documentation also supports the traceability requirements of smart building and AV installations.

Data Centres

Data centres demand accurate labelling, disciplined cabling practices and rapid fault isolation.

CuBLU supports day-to-day verification tasks by helping technicians identify wiring faults, trace cable runs, verify remote IDs and detect voltage before connection. It's particularly useful for moves, adds and changes, rack-level checks and routine troubleshooting.

Electrical and Low-Voltage Installers

As electrical contractors increasingly take on data cabling, smart building and low-voltage installations, they need tools that provide more capability than a basic continuity tester.

CuBLU offers an accessible entry point into professional cable testing by combining essential verification, troubleshooting and diagnostic capabilities in a compact, portable and cost-effective platform.

Construction and Fit-Out Projects

In new construction and fit-out projects, identifying faults early helps prevent costly rework before walls, ceilings and cabinets are closed.

CuBLU helps installers verify cable runs, identify wiring issues and confirm cable identity before patching or device installation begins. With CuBLU II and CuBLU III, app-based documentation also supports more professional project close-out.

Enterprise IT and Facilities Teams

For internal IT and facilities teams, CuBLU provides a practical solution for everyday troubleshooting and cable verification.

It helps teams support office moves, identify patching issues, investigate suspect cable runs and reduce unnecessary escalation. CuBLU II and CuBLU III also add app-based documentation, making it easier to maintain records across multiple sites and support tickets.

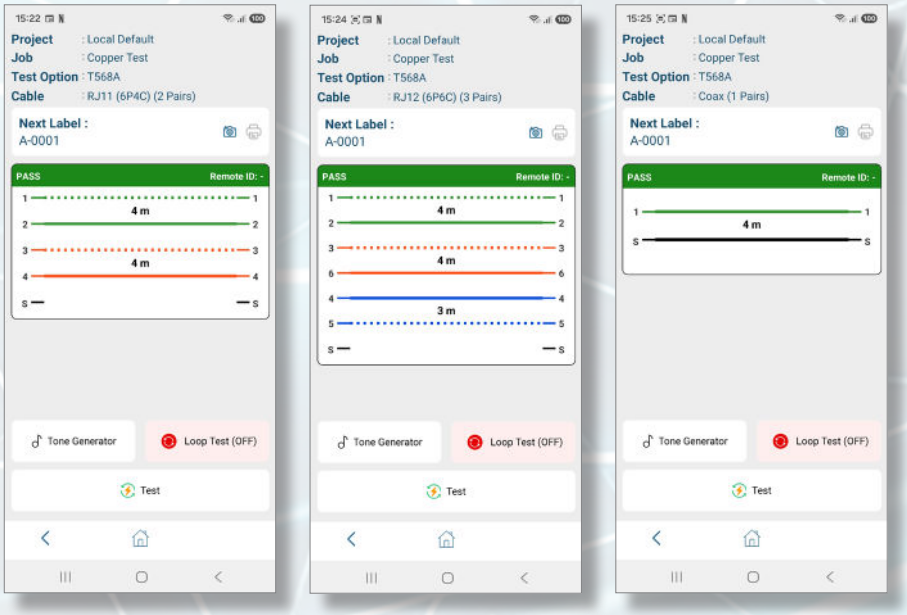
Enhancing Everyday Cable Testing

CuBLU brings professional cable testing within reach of more installers, technicians and field teams.

By combining advanced diagnostics, practical field features and app-based documentation in a compact, affordable platform, CuBLU bridges the gap between basic cable testers and full certification tools.

For teams that need more than a wiremap tester but don't need the cost and complexity of a certifier, CuBLU delivers the ideal balance of capability, usability and value.

CuBLU provides pass/fail testing across multiple cable types, including RJ45, RJ11, RJ12, M12 and coax.



CUBLU ORDERABLE PART NUMBERS

PART NUMBER	DESCRIPTION
CUBLU	Entry-level CuBLU test unit with one remote unit (ID 1)
CUBLU-II	CuBLU II test unit, Bluetooth enabled for UniBLU app connected testing, and one remote unit (ID 1)
CUBLU-III	CuBLU III test unit, PoE test port, Bluetooth enabled for UniBLU app connected testing, and one remote unit (ID 1)
CUBLU-REM16	Kit of CuBLU remote units IDs #1 through #16
CUBLU-CORD-KIT	2x Coax adapter cable 2x RJ11/12 adapter cable 2x M12 adapter

AEM networks

Future Smart.

Technical Support

Email Inquiries (Monitored 24 hours):
customer-care@aemnetworks.odoo.com

Website:
aemnetworks.com

More information & detailed specifications:
aemnetworks.com/cublu

AEM Networks Pte Ltd
52 Serangoon North Ave 4
Singapore 555853

DOWNLOAD
UniBLU app (App Store)

DOWNLOAD
UniBLU app (Google Play)