

REDEFINING FIBER TESTING AND CERTIFICATION

FiBLU



- ★ App-native fiber certification
- ★ Faster testing and project completion
- ★ Instant reporting from the field
- ★ Real-time collaboration and project visibility
- ★ Software-driven platform built to evolve



The Future of Fiber Testing

Fiber networks have evolved dramatically over the past decade. They are faster, more software-defined and increasingly managed across distributed teams and locations. Yet many certification workflows still rely on dedicated handheld interfaces, manual file transfers and report preparation that happens only after field testing is complete.

That creates an unnecessary gap between completing the physical work and completing the project. Engineers may finish testing on site, but still need to transfer results, organise files, generate reports and provide project managers or customers with the documentation required for sign-off.

FiBLU was created to challenge that approach better.



Mobile app-enabled fiber certification

FiBLU combines precision optical test hardware with the processing power, connectivity and usability of modern smartphones. Instead of relying on a fixed tester interface, the smartphone becomes the primary user interface and computing platform, while FiBLU provides the dedicated optical measurement capability required for professional fiber certification.

This creates a more intuitive, connected and flexible testing environment – one that better reflects how engineers and project teams work today.



Future-proofed investments

Because much of FiBLU's intelligence resides in software, new features, analytics and workflows can be introduced through app updates rather than requiring replacement of the core test hardware.

This supports a longer usable life, lower total cost of ownership and greater protection against technology obsolescence as requirements evolve.



Built for fiber networks

FiBLU is purpose-built for fiber certification.

Unlike modular platforms designed to support both copper and fiber through interchangeable hardware, FiBLU focuses specifically on the requirements of fiber networks. For organisations deploying fiber-only infrastructure, this helps reduce unnecessary hardware, cost and complexity.



Operational efficiency and project control

FiBLU connects testing more directly with reporting, collaboration and project management.

Results can be captured, organised and shared as work progresses, giving supervisors and project managers earlier visibility into project status. Issues can be identified and addressed while technicians are still on site, helping reduce rework, accelerate acceptance and shorten the path to project completion.

The goal is not simply faster testing. It is a faster, more connected path from installation to project completion.



Lower total cost of ownership

The commercial advantage extends beyond the initial purchase price.

By shifting interface, processing and connectivity functions to the smartphone, FiBLU can reduce dependence on complex proprietary hardware. Combined with faster workflows, simplified reporting and software-led enhancements, this can lower the total cost of ownership over the life of the product.

Built around the way engineers work today – and designed to keep evolving with them.

This version removes the repeated references to processors, connectivity, app updates, intuitive interfaces and replacing hardware, while still preserving each as a clear product advantage.

7 key challenges that field engineers face

Field engineers and project teams face a range of operational challenges throughout the fiber certification process – from managing test results and generating reports to maintaining project visibility and organised records. Here are the top seven challenges they face:

- 1 Time spent transferring and organising test results after leaving site
- 2 Delays in generating and sharing customer reports
- 3 Limited visibility into project progress while testing is under way
- 4 Managing results across multiple engineers, projects or locations
- 5 Administrative effort associated with certification and handover
- 6 Maintaining accurate, organised and searchable test records
- 7 Rework and return visits when issues are identified too late

FiBLU addresses these challenges comprehensively – streamlining the entire fiber certification workflow, from testing through to reporting and handover.

App-First by Design

Unifying field testing, data and project workflows through UniBLU.

FiBLU is not a traditional fiber tester with an app added on. It is app-native at its core.

Precision optical measurement remains in dedicated FiBLU hardware, while the UniBLU app provides the interface, processing power, connectivity and workflow around it. This allows FiBLU to take advantage of capabilities already built into modern smartphones rather than recreating them in proprietary test hardware.

The result is a testing platform that brings measurement, identification, location data, cloud synchronisation and project information into one workflow.

The smartphone is more than a display. It is an active part of the testing process.

A familiar, intuitive testing experience

Technicians work through the UniBLU app using the familiar interaction model of a smartphone. Navigation is intuitive, common functions are easy to access and the learning curve can be reduced compared with conventional dedicated handheld interfaces.

The smartphone is therefore more than a display. It becomes an active part of the testing process – helping technicians capture information, organise results and make test data available to the wider project team.



Through the UniBLU app, technicians capture information, organise results and make test data available to the wider project team.

Smarter data capture in the field

UniBLU uses smartphone capabilities to simplify tasks that would otherwise require additional manual steps.

OCR label scanning uses the smartphone camera to capture cable IDs, reducing repetitive data entry and the risk of transcription errors. On larger projects involving hundreds or thousands of links, this can help create cleaner and more consistent records from the point of testing.

GPS location tagging adds location information to test records, providing additional context for where testing was performed. This can be particularly useful across campuses, multi-building environments, outside-plant installations, audits and future fault investigation.

Together, these capabilities create a more complete test record by combining measurement data with cable identification and location information.

FiBLU allows you to combine test results, cable identification and location data in one connected workflow.

Instant reporting, zero backlog

FiBLU is designed to make test information available much earlier in the project workflow.

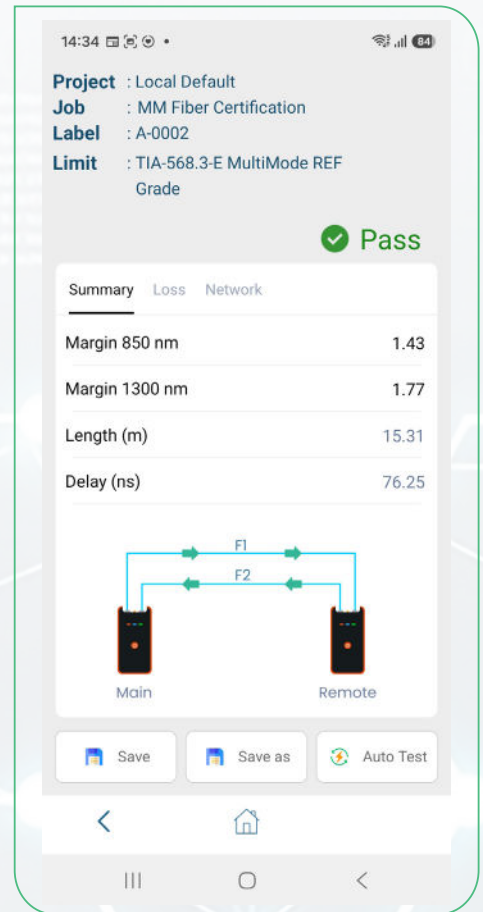
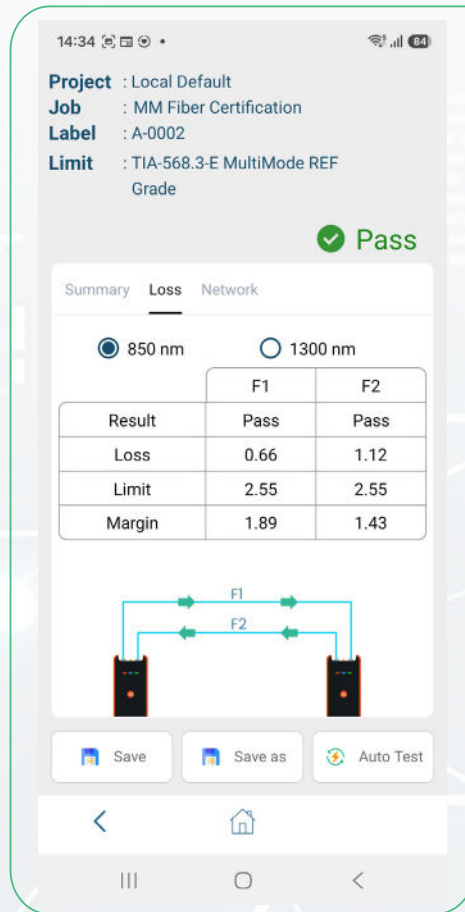
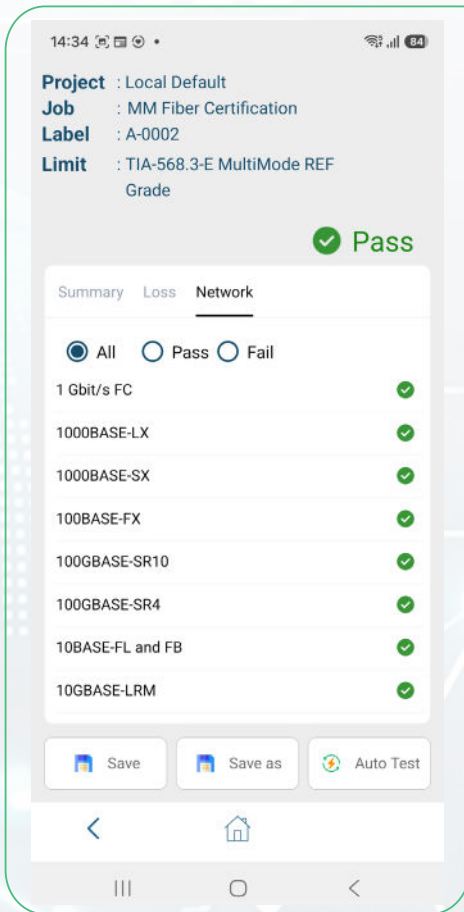
Instead of results remaining on the tester until they are exported later, test data can be synchronised through the cloud and made available across users' mobile apps. This reduces reliance on end-of-day transfers and helps prevent forgotten uploads, fragmented records or teams working from outdated information.

Supervisors and project teams can gain earlier visibility into completed links, pass/fail status and areas requiring attention. Certification therefore becomes part of day-to-day project management rather than an administrative process that takes place only after field work is complete.

It can also help reduce:

- ✓ End-of-day data transfers
- ✓ Forgotten or delayed uploads
- ✓ Fragmented project records
- ✓ Repetitive cable-ID entry
- ✓ Transcription errors
- ✓ Teams working from outdated information





Clear, at-a-glance certification results – from test summary and loss measurements to network standards compliance.



FiBLU turns complex fiber test data into clear, actionable results for faster, more confident certification decisions.

Easier collaboration across teams

Cloud access also makes it easier for field technicians, supervisors and technical specialists to work together. Results can be shared or reviewed remotely through users' mobile apps. An experienced specialist can examine an unusual result or support a field technician without needing to be physically present at the test location.

This can be particularly valuable when teams are working across different buildings, campuses or multiple sites. Technical expertise can be shared more effectively, while potential issues can be reviewed before the technician leaves the work area.



Better organised project records

FiBLU integrates with Google Drive and OneDrive for cloud-based storage and access to test results. Role-based permissions can help organisations control what field technicians, supervisors and project managers are able to see and do within their established cloud environment.

By bringing test results, cable identification, location information and team access together, FiBLU can help create a more complete record for project review, reporting, audit and handover.

A platform designed to evolve

Because much of the FiBLU experience is software-driven, new features, workflows and analytics can be introduced through app updates rather than requiring replacement of the core test hardware.

This allows FiBLU to continue evolving as user and project requirements change, while helping extend the useful life of the instrument.

The UniBLU app is available through Google Play and Apple's App Store.

The phone is not an accessory.
It is part of the testing platform.





Professional, Ultrafast Fiber Certification, Built Around The Job

FiBLU is designed as a professional Tier 1 fiber certification platform, combining optical loss and length measurement with standards-based pass/fail assessment and complete project documentation.

From flexible test configurations to fast AutoTest performance, it brings the capabilities required for accurate, repeatable certification into one platform.

FiBLU completes a full dual-wavelength certification test in approximately 5 seconds in loopback mode or 6 seconds in dual-ended mode. Across high-density projects, those seconds translate into meaningful commissioning-time savings.





A complete certification workflow

FiBLU supports loopback or dual-ended test configurations, single-direction or bi-directional measurement, and simplex or duplex links. This gives installers and network owners the flexibility to match the test method to the application while keeping results within one consistent workflow.



Dual-wavelength testing

FiBLU tests single-mode fiber at 1310 nm and 1550 nm, and multi-mode fiber at 850 nm and 1300 nm. Testing at two wavelengths provides a more complete picture of link behaviours because certain losses can be wavelength dependent.

Macro-bends, for example, can produce greater loss at 1550 nm than at 1310 nm. Testing only one wavelength may therefore miss a condition that becomes visible at the second wavelength.



Bi-directional testing

Optical loss can vary depending on the direction from which a link is measured. Connector geometry, fiber alignment and other characteristics can create directional differences. Bi-directional testing measures the link from both ends, providing a stronger basis for certification and helping reveal higher loss that a single-direction measurement might mask.



Standards-based certification

FiBLU supports ISO/IEC, TIA, IEEE and application-specific loss-budget testing, enabling results to be assessed against recognised performance limits. Relevant standards include ISO/IEC 14763-3 and TIA-568.3-D, subject to confirmation against AEM Networks' final released documentation.



Certify right the first time

Accuracy matters because the test result becomes evidence that a link is ready for service. Speed matters because the same process may need to be repeated hundreds or thousands of times. FiBLU is designed to deliver both.



A complete AutoTest in 5 to 6 seconds

FiBLU completes a full dual-wavelength certification test in approximately 5 seconds in loopback mode or 6 seconds in dual-ended mode. Across high-density projects, those seconds translate into meaningful commissioning-time savings. For contractors, faster testing can increase the number of links certified in a shift. For network owners, it can shorten the time between installation, acceptance and service readiness.



Measurement performance

FiBLU combines high measurement accuracy and repeatability with the range required for professional single-mode and multi-mode fiber certification.

- Insertion loss accuracy: ≤ 0.2 dB
- Measurement repeatability: ≤ 0.05 dB
- Length measurement accuracy: $\pm(1 \text{ m} + 1\% \text{ of length})$
- Multi-mode length measurement range: up to 2 km
- Single-mode length measurement range: up to 20 km



Built-in Visual Fault Locator

FiBLU includes a 650 nm laser VFL with a 2.5 mm universal connector adapter, supporting quick visual identification of breaks, tight bends and connector-related issues on short runs without requiring a separate tool. The VFL operates in 1.5 Hz pulsed mode.



Interchangeable FC, SC and LC adapters

Transmit and receive interfaces support interchangeable FC, SC and LC adapters, giving technicians flexibility across mixed-connector installations and reducing the need for separate test equipment or additional adapter cabling in the field.



Ready for long testing sessions

FiBLU is designed for extended field use, supporting more than 18 hours of continuous operation or 5,000+ tests per charge, with USB-C charging.

FiBLU-SM

Single-mode fiber certification

FiBLU-SM is designed for single-mode fiber links, including OS1 and OS2 infrastructure. It delivers dual-wavelength certification at 1310 nm and 1550 nm using a laser light source, with a length measurement range of up to 20 km.

Why two wavelengths?

Single-mode fiber behaves differently at 1310 nm and 1550 nm. Loss caused by bends, connectors and other link conditions can be more pronounced at one

wavelength, so testing both provides a broader picture of the installed link and a stronger basis for acceptance.

The 1550 nm measurement is particularly useful for revealing bend-related loss that may be less evident at 1310 nm. Together, the two results provide a stronger baseline for future comparison and help identify wavelength-dependent performance issues.

Technical summary

Wavelengths: 1310 $\pm$ 20 nm and 1550 $\pm$ 20 nm
Output power: 1.5–2 mW at 1310 nm; 0.5–2 mW at 1550 nm
Power measurement range: 0 dBm to -50 dBm
Length measurement range: up to 20 km
Loopback or dual-ended; single-direction or bi-directional; simplex or duplex

Typical applications

FiBLU-SM is suited to longer-distance single-mode links across enterprise, campus, telecommunications and public-sector networks.

- Campus and inter-building backbones
- Telecommunications and FTTx / FTTH last-mile deployments
- Enterprise single-mode infrastructure
- Government and public-sector backbone networks
- Longer data-centre interconnect links



FiBLU-MM

Multi-mode fiber certification

FiBLU-MM is designed for multi-mode fiber links, including OM1 through OM5. It delivers dual-wavelength certification at 850 nm and 1300 nm using an encircled-flux compliant LED light source, with a length measurement range of up to 2 km.

Why encircled-flux compliance matters

Multi-mode loss measurements are sensitive to how light is launched into the fiber. Different launch conditions can produce different measured losses on the same link. An encircled-flux compliant source is designed to

control that launch condition so measurements are more consistent and representative.

This is particularly important for higher-performance multi-mode systems such as OM3, OM4 and OM5. Inappropriate launch conditions can produce optimistic measurements that mask actual link loss, making encircled-flux compliance an important element in repeatable formal certification.

Relevant references include IEC 61280-4-1 and TIA-455-203, subject to confirmation against AEM Networks' final released documentation.

Technical summary

Wavelengths: 850 $\pm$ 20 nm and 1300 $\pm$ 20 nm

Output power: 10–20 μ W at both wavelengths

Power measurement range: 0 dBm to -30 dBm at 850 nm;
0 dBm to -50 dBm at 1300 nm

Length measurement range: up to 2 km

Typical applications

FiBLU-MM is designed for multi-mode fiber installations across enterprise, data-centre, campus and high-density building environments.

- Enterprise LAN structured cabling
- Data-centre intra-building links
- Campus horizontal and backbone fiber
- Education and healthcare facilities
- High-density building and facility networks



Redefining the Fiber Certification Workflow

The biggest difference becomes clear when the entire certification workflow is considered – not just the moment the optical measurement is taken.

Traditional Workflow	FiBLU Workflow
Create project	Create project in the app
Perform tests	Perform tests
Export files	Results available immediately
Return to office	Reports generated on site
Produce reports	Reports shared instantly
Customer approval	Faster project completion

Productivity that delivers business value

Every minute saved on site – and every administrative task removed after testing – can improve project economics. FiBLU is designed to create value for the people performing the work, the people managing it and the customers receiving the finished installation.

Installation Engineers – Spend more time testing



FiBLU simplifies the field workflow so engineers can move through certification faster, with less time spent on setup, navigation and administration.

- ✓ Faster project setup
- ✓ Intuitive smartphone interface
- ✓ Automated test workflows and immediate pass/fail results
- ✓ Less administration and fewer return visits

Outcome: complete more fiber certifications in a working day.

Project Managers – Improve project visibility



Real-time access to current test information gives project managers earlier visibility into progress, issues and readiness for handover.

- ✓ Monitor project progress
- ✓ Review results quickly
- ✓ Resolve issues earlier
- ✓ Standardised reporting and easier sign-off

Outcome: keep projects moving and reduce delays.

Business Owners – Improve productivity



By reducing testing, reporting and administrative overhead, FiBLU helps businesses use engineering resources more efficiently and improve project economics.

- ✓ Reduce reporting time and administrative cost
- ✓ Improve engineer utilisation
- ✓ Accelerate customer acceptance and billing
- ✓ Lower total cost of ownership

Outcome: improve profitability across installation projects.

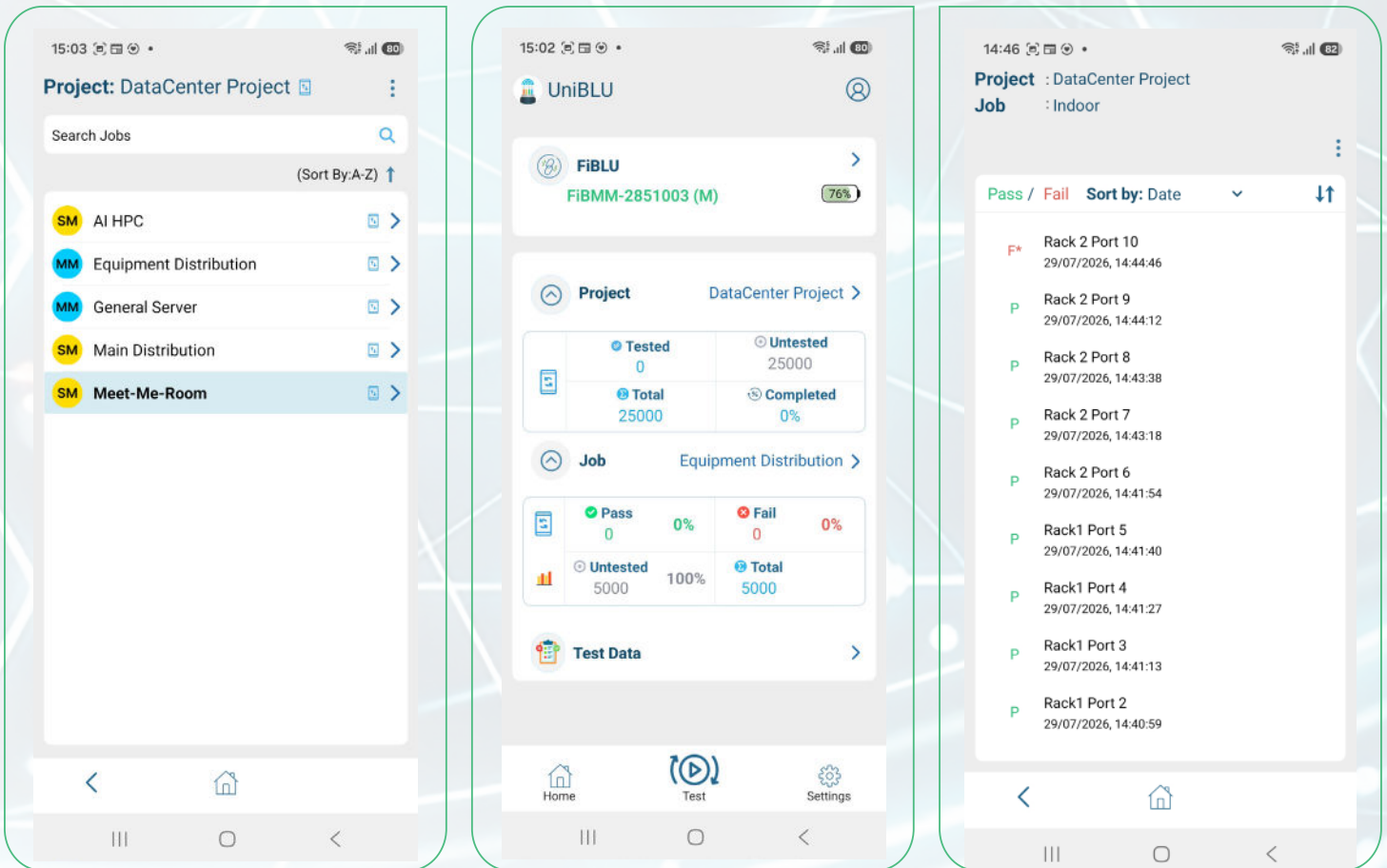
Customers – Deliver a better customer experience



Customers benefit from faster handover, clearer documentation and greater confidence that the installed fiber infrastructure has been professionally certified.

- ✓ Faster report delivery
- ✓ Professional documentation
- ✓ Standards-based certification
- ✓ Greater confidence and quicker project completion

Outcome: build trust and strengthen customer relationships.



Organise projects, track testing progress and review results – all from one connected workflow.



FiBLU is designed to create value for the people performing the work, the people managing it and the customers receiving the finished installation.

Designed for Ergonomic, Efficient Field Work

FiBLU combines an app-first design with an ergonomic, secure mounting system that keeps the smartphone interface comfortably accessible throughout testing. Quick setup, seamless device pairing and an intuitive interface mean less time preparing equipment and more time getting the job done.

An adjustable arm-mounted design supports comfortable viewing and control across racks, floors and overhead environments, while enabling one-hand operation in tight spaces. By reducing unnecessary hand and neck movement and keeping live results within easy view, FiBLU supports a faster, more natural field workflow.

Real World Usage

- **One-hand operation in real environments** – test and navigate simultaneously without bulky equipment
- **Smartphone as the interface** – familiar UI reduces training time and errors
- **Live results on-screen** – immediate visibility while working on-site
- **Compact, lightweight tester** – easy to handle in dense racks and tight spaces
- **Faster workflows** – eliminates back-and-forth between tester and laptop/reporting tools



Comfortable, Hands-Free Operation



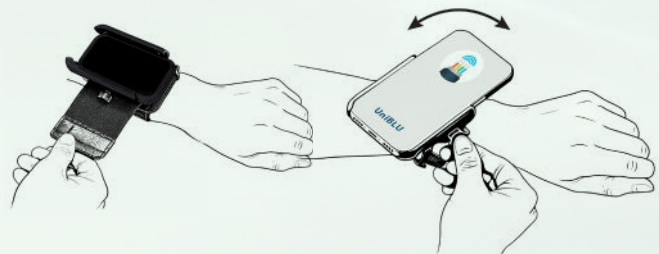
Fast, Simple Setup

- Quick, intuitive setup in just seconds
- No complex assembly – tool-free mounting system
- Plug-and-play – connect, launch app, start testing



App-First by Design

- Intuitive interface/quick learning curve
- Richer visuals, more functionality
- Seamless pairing between device and app



Adjustable Viewing & Control

- Secure fit during operations
- Adjustable viewing angles
- Quick access to controls
- No repetitions in hand/neck movement
- Move, test, and verify seamlessly
- Consistent usability across environments (rack, floor, overhead)

Fiber Certification for Every Environment



Enterprise Networks

In enterprise environments, network reliability and documentation are critical. FiBLU enables IT teams and integrators to certify fiber links during new installations, upgrades and expansions, with immediate access to test results and cloud-based records that support handover, audit and future maintenance.

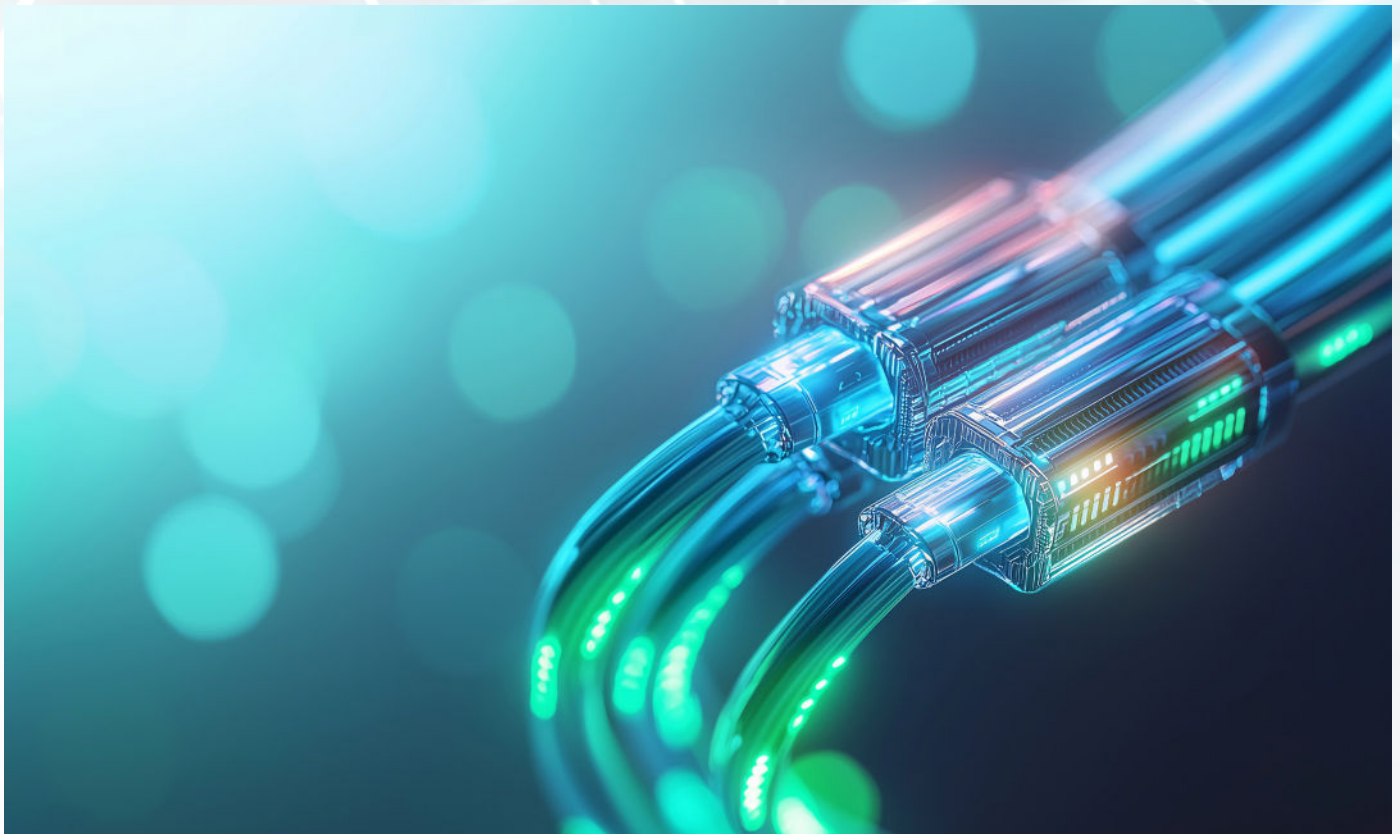
- ✓ Enterprise LAN and backbone certification
- ✓ Contractor acceptance and quality verification
- ✓ Cloud records for compliance and lifecycle management
- ✓ Faster coordination between field teams and central IT

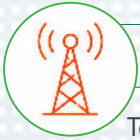


Data Centres

Data centres combine high port density, demanding loss budgets and tight commissioning schedules. FiBLU provides fast dual-ended certification with immediate result availability, helping teams move through large test volumes without sacrificing traceability. Instant uploads, centralised records and remote collaboration support smoother handovers and simplify lifecycle activities such as audits, expansions and fault isolation.

- ✓ High-density link commissioning
- ✓ Immediate result availability
- ✓ Centralised records for audit and expansion
- ✓ Remote review during tight commissioning windows





Telecommunications & Service Providers

Telecom operators, ISPs and last-mile deployment contractors need fast, accurate certification at scale. FiBLU's real-time result sync and cloud-based project visibility give supervisors instant oversight across distributed field teams, reducing the end-of-day data consolidation common on large rollouts.

- ✓ FTTx / FTTH last-mile certification
- ✓ Multi-technician field coordination via cloud
- ✓ Instant upload to project records on completion
- ✓ Documentation for regulatory compliance and SLA evidence



Construction & Fit-Out Contractors

Cabling contractors working on new builds and fit-out projects need certification to keep pace with site timelines. FiBLU's 5 – 6 second AutoTest, lightweight design and app-based reporting reduce commissioning time and support clean project close-out documentation.

- ✓ Fast certification before walls and ceilings are closed
- ✓ App-generated handover reports without office rework
- ✓ GPS tagging creates a spatial record of tested links
- ✓ Supports professional project sign-off and payment milestones



Industrial & Manufacturing

Industrial environments rely on high-speed fiber for automation, machine vision, process control and IoT connectivity. FiBLU certifies links across the plant floor, supporting the documentation needs of both initial commissioning and ongoing maintenance.

- ✓ Certification of fiber links in industrial environments
- ✓ Operating range of 0 °C to 45 °C
- ✓ IEC 61010-1 safety compliance stated in current specifications
- ✓ Documentation for compliance and maintenance audit trails



Education & Campus Networks

Universities, schools and multi-campus organisations regularly upgrade and expand their fiber infrastructure. FiBLU enables IT teams to certify links during upgrades, verify contractor work at handover and retain ongoing records of network performance.

- ✓ Campus backbone and in-building fiber certification
- ✓ Cloud records for ongoing lifecycle management
- ✓ App-based reporting without manual documentation
- ✓ A more accessible certification platform for internal IT teams



Healthcare

Hospital and medical facility networks demand high availability and rigorous documentation. FiBLU supports fiber certification during network builds and upgrades, with cloud-based records that create a cleaner audit trail for compliance, asset management and future maintenance.

- ✓ Certification in clinical and back-of-house environments
- ✓ Cloud records for compliance and audit requirements
- ✓ Role-based access controls for project information
- ✓ Support for planned and emergency maintenance workflows



Government & Public Sector

Government network projects require thorough documentation and standards compliance for procurement, audit and asset management. FiBLU's standards-based testing and cloud-connected records support the paper trail and contractor oversight that public-sector projects demand.

- ✓ ISO/IEC and TIA-based certification documentation
- ✓ Structured records for audit and acceptance
- ✓ Role-based workflows for contractor oversight
- ✓ Support for long-term infrastructure asset management



Managed Service Providers & System Integrators

MSPs and integrators managing fiber infrastructure across multiple client sites benefit from centralised project organisation and real-time result synchronisation. Project leads can see activity across sites earlier, while structured reporting helps produce professional client documentation.

- ✓ Multi-site project management
- ✓ Professional customer reports
- ✓ Centralised records to support SLA evidence
- ✓ Role-based technician and project access



Broadcast & AV Integration

Broadcast facilities and AV integrators rely on fiber for high-bandwidth video, audio and control signals where signal integrity is non-negotiable. FiBLU certifies the links carrying these services and provides the insertion-loss documentation needed for system acceptance and maintenance.

- ✓ Studios, venues and live-event environments
- ✓ Documentation for broadcast system acceptance
- ✓ Built-in VFL for quick short-run fault isolation
- ✓ Lightweight design for venue and location work



MM Fiber



Pass

Project : Local Default

Operator : Default

Equipment

Model : FID

Device Software : Main: 4.1.41, Remote: 4.1.41

Adapter Calibration Date : Main: 1/1/0001, Remote: 1/1/0001

Main Adapter : -, S/N: 0

Test

Profile : MM Fiber

Cable Type : MultiMode OM4

Connector : LC

No. End Connectors : 2

Additional Connectors : 2

No. Splices : 0

Set Reference Date : 29/7/2026 14:32

Refractive Index1 : 1.49

Performance Grade : OM4

Length(m) : 15.31

Test Time : 29/7/2026 14:33

Serial Number : Main: FIBMM-2851003, Remote: FIBMM-2851013

Configuration : Dual Ended Single Direction

Device Calibration Date : Main: 24/12/2025, Remote: 26/12/2025

Remote Adapter : -, S/N: 0

Limit : TIA-568.3-E MultiMode REF Grade

Cable Manufacturer : Generic MMF

Connector Manufacturer : Generic

End Connector Loss (dB) : 0.5

Additional Connector Loss (dB) : 0

Splice Loss (dB) : 0.3

Jumper Method : Two Jumper

Refractive Index2 : 1.49

Delay(ns) : 76.3

850 nm

Pair	Result	Loss (dB)	Limit (dB)	Margin (dB)
Fiber 1 Main to Remote	Pass	0.66	2.55	1.89
Fiber 2 Remote to Main	Pass	1.12	2.55	1.43

Unit	Reference Power (dBm)
Main	-17.64
Remote	-21.13

1300 nm

Pair	Result	Loss (dB)	Limit (dB)	Margin (dB)
Fiber 1 Main to Remote	Pass	0.58	2.52	1.94
Fiber 2 Remote to Main	Pass	0.75	2.52	1.77

Unit	Reference Power (dBm)
Main	-20.07
Remote	-19.89

Compliant Network

1 Gbit/s FC

100BASE-SX

100BASE-SR10

10BASE-FL and FB

10GBASE-LX4

10GBASE-SR/SW

16 Gbit/s FC

32 Gbit/s FC

4 Gbit/s FC

8 Gbit/s FC

ATM at 155 Mbit/s 1300nm

ATM at 622 Mbit/s 850nm

ControlNET

Fibre Channel (FC-PH) at 1062Mbit/s

1000BASE-LX

100BASE-FX

100GBASE-SR4

10GBASE-LRM

10GBASE-SR

10Gbps

2 Gbit/s FC

4 and 16 Mbit/s Token Ring

40GBASE-SR4

ATM at 155 Mbit/s 850nm

ATM at 52 Mbit/s

ATM at 622 Mbit/s 1300nm

FDDI PMD

FOIRL

TestDataPro enables professional, customer-ready certification reports with complete test results, loss measurements, limits, margins and standards compliance.

FIBLU SPECIFICATIONS		
Loss/Length Specifications		
Variant/Parameter	Multimode (FiBLU-MM)	Singlemode (FiBLU-SM)
Source Type	LED (encircled flux compliant)	Laser
Wavelengths (nm)	850 ± 20 , 1300 ± 20	1310 ± 20, 1550 ± 20
RMS Spectral Width Range (nm)	35	5
Output Power	850nm : 10uW to 20uW 1300nm: 10uW to 20uW	1310nm: 1.5mW to 2mW 1550nm: 0.5mW to 2mW
Length Measurement Range	2 km	20 km
Transmit and Receive Interface Connectors	Interchangeable FC, SC, and LC Adapters	
Certification Test modes	Loopback or dual ended, single-direction or bi-direction, simplex or duplex	
Test standards	ISO/IEC, TIA, IEEE, application specific loss-budget	
AutoTest Speed	Loopback Mode : 5 seconds Dual Ended Mode: 6 seconds	
Insertion Loss Accuracy	≤0.2dB	
Measurement Repeatability	≤0.05dB	
Length Measurement Accuracy	±(1m + 1 % of length)	
Power Measurement Range	850nm : 0 dBm to -30 dBm 1300nm: 0 dBm to -50 dBm	1310nm: 0 dBm to -50 dBm 1550nm: 0 dBm to -50 dBm
Dimension	177mm X 92mm X 42mm	
Weight	350 Grams	
Battery	Li-Ion, 3.7V / 2600 mAh	
Battery capacity	30 Hrs battery life typical	
Charging Time	2 Hours	
Power Adapter	5V/1A, USB-C type	
Android application	Android 11 or higher	
Ios Application	IOS 13 or higher	
Connectivity	WPAN 2.4Ghz v4.2 or higher	
Visual Fault Locator (VFL)		
VFL Light Source	650nm Laser	
Power Output	1mW	
Output Modes	1.5Hz Pulsed mode	
Connector Adapter	2.5 mm universal	
Laser Safety	Class II	
Environmental Specifications		
Operating Temperature	32° F to 113° F (0° C to 45° C)	
Storage Temperature	-22° F to +140° F (-30° C to +60° C)	
Operating relative humidity (% RH without condensation)	0% to 90%, 32° F to 95° F (0° C to 35° C)0% to 70%, 95° F to 113° F (35° C to 45° C)	
Safety	IEC 61010-1 3rd Edition	
Operating altitude	13,123 ft (4,000 m)	
EMC	EN 61326-1	

Every minute saved on site – and every administrative task removed after testing – can improve project economics.



Warranty: 1-Year Hardware Protection; full coverage against manufacturing and material defects on all FiBLU units.

CuBLU Orderable Part Numbers

Part number	Description
CuBLU	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 RF11/12 adapter cable / 2x M12 adapter cable

Technical Support

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

Website:
aemnetworks.com

More information & detailed specifications:
aemnetworks.com/fiblu

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