AEM networks

STAN ONE®

Fiblu - The Future of Fiber Testing and Certification

Mobile App Based Fiber Link Certifier

Build Faster | Validate Smarter| Gain Real-Time Project Intelligence.



Future-Proof Your Fiber Investments

Quality In Precision Cable Test. Delivered

FiBLU - Mobile App-Based Fiber Certification Tester

FiBLU is a next-generation, **app-based fiber certification tester** designed for fast, accurate, and fully digital fiber testing. Powered by the **UNIBLU mobile app**, it uses smartphones for test control, analysis, reporting and real-time project management—eliminating the need for traditional tester interfaces.

Designed for enterprise and data-center networks, FiBLU delivers standards-compliant **dual-wavelength certification** with instant cloud synchronization and simplified workflows for improved productivity and collaboration.

FiBLU is available in two variants:

- **FiBLU-SM** – Single-mode fiber certification with dual-wavelength testing at **1310 nm** and **1550 nm** using laser light sources.
- **FiBLU-MM** – Multimode fiber certification with dual-wavelength testing at **850 nm** and **1300 nm** using encircled-flux compliant LED light sources.

Both variants support **loopback** and **dual-ended** testing using main and remote FiBLU devices.

Mobile app-enabled fiber network certification

FiBLU is a new generation app-based, fiber certification solution that shifts intelligence from fixed hardware to a smartphone app. FiBLU fundamentally changes how fiber testing is done—making it faster, more collaborative and dramatically more cost-effective over the life of the network.



The UNIBLU app enhances productivity by allowing scanning of cable labels, with character recognition, GPS location tagging with test results, and many more features.

Why FiBLU?

App-first by design—a true industry shift

FiBLU is not a traditional tester with an app added on; it is app-native at its core. The smartphone becomes the interface, the computing engine and the collaboration platform—unlocking capabilities that screen-based testers cannot offer.

Reports Fiber Performance Where It Matters Most — In the Field

This approach delivers:

- A richer, more intuitive user experience
- Rapid feature evolution, without replacing hardware
- Lower power consumption and lighter field equipment
- Built-in connectivity for sharing, collaboration and analytics

Future-proof your investments

Because FiBLU's intelligence lives in software, the tester does not become obsolete as requirements evolve. New features, analytics and workflows are delivered through app updates rather than hardware replacement.

Result: longer usable life, lower total cost of ownership and protection against technology obsolescence.



Built for fiber networks

While platform-based testers are designed to support copper and fiber through interchangeable modules, FiBLU is a purpose-built fiber certification solution. For organizations deploying fiber-only networks, this eliminates unnecessary cost and complexity.

Operational efficiency and project control

FiBLU directly addresses one of the biggest challenges in fiber deployment: delayed reporting and fragmented project visibility. Test results are captured and uploaded instantly, giving supervisors and project managers real-time insight into progress and quality.

Problems are identified while technicians are still on site, reducing rework, accelerating acceptance and improving billing accuracy.

Optimized for enterprise networks

In enterprise environments, network reliability and documentation are critical. FiBLU enables IT teams and integrators to certify fiber links quickly and consistently during new installations, upgrades and expansions.

Instant access to test results improves coordination between field teams and central IT, while cloud-based records create a clean audit trail for compliance, handover and future upgrades. The result is faster rollouts, fewer disputes and networks that perform as designed from day one.

Engineered for data centre scale and precision

In data centres, where scale, precision and traceability are non-negotiable, FiBLU provides accurate dual-ended fiber certification with immediate result availability. High port density and tight commissioning schedules demand tools that minimise friction and error.

By delivering instant uploads, centralised records and remote collaboration, FiBLU reduces operational risk, supports smoother handovers and simplifies ongoing lifecycle management—whether for audits, expansions or fault isolation.

FiBLU - Mobile App-Based Fiber Certification Tester

Features that drive efficiency

Certify right the first time
High-accuracy, standards-based testing ensures fiber links meet performance requirements before handover—reducing costly rework and post-deployment troubleshooting.

Instant reporting, zero backlog
Results are synchronized in real time, across all users' mobile apps, via the cloud, eliminating end-of-day data transfers and forgotten tests while giving managers immediate visibility into project status.

Built-in collaboration
Test data can be instantly shared or remotely reviewed through all users' mobile apps via the cloud, enabling experts to support field teams without being physically present.

Uninterrupted field testing
A compact, field-ready design; more than 18 hours of continuous operation or 5,000+ tests per charge, via USB-C ports, for uninterrupted on-site testing.

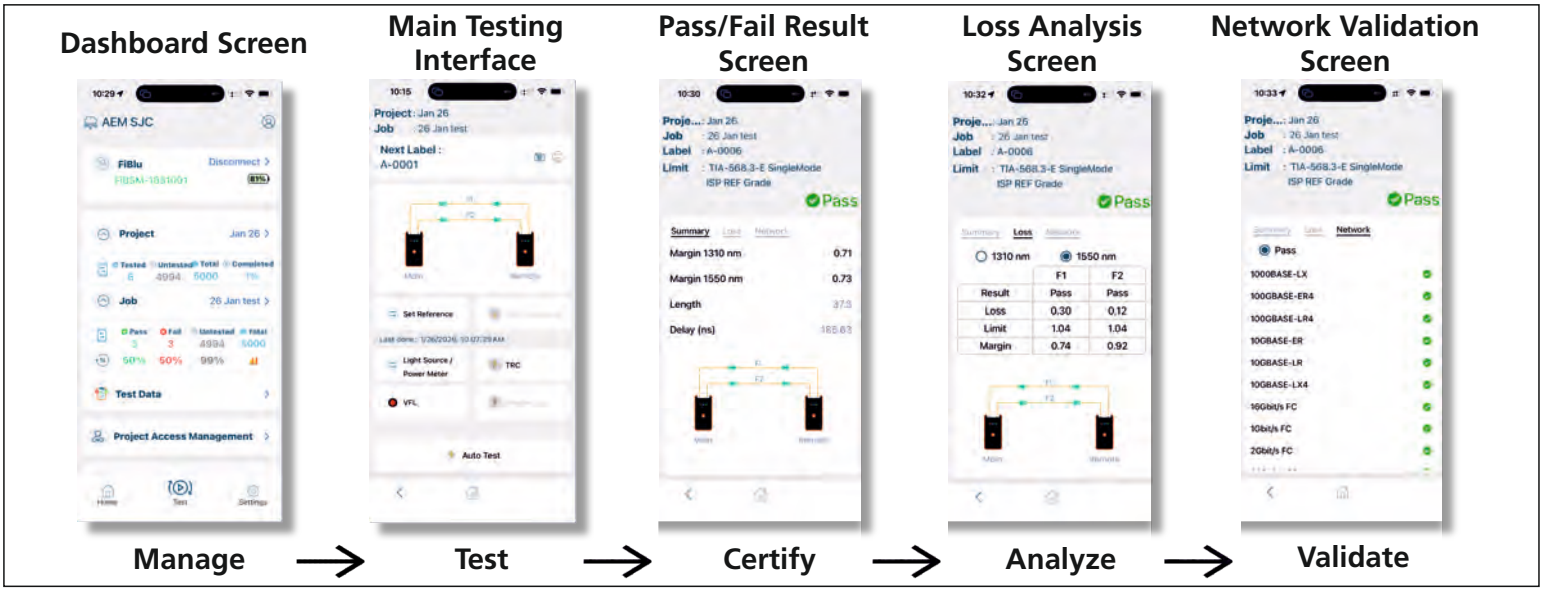
Secure, role-based cloud workflows
Fully cloud-based testing with role-based workflows, leveraging Google Drive and OneDrive to enable secure, usercontrolled data management, within established security frameworks.



Key Capabilities

- **Fiber certification during installation**
  Ensures newly installed fiber links meet required loss budgets and performance standards before network commissioning.
- **Network capability testing before handover**
  Validates that the installed fiber infrastructure can support intended applications and bandwidth demands, reducing acceptance risk.
- **Performance verification and troubleshooting**
  Quickly identifies loss issues, degradation or installation faults, enabling faster resolution and reduced downtime.
- **Ongoing network performance analysis**
  Historical data provides insight into network health over time, supporting proactive maintenance and planning.
- **Industrial and mission-critical environments**
  Supports reliable high-speed connectivity in environments where uptime, accuracy and documentation are essential.

Smart App-Based Fiber Certification Workflow.



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Technical Specifications:

Parameter	Multimode (FiBLU-MM)	Singlemode (FiBLU-SM)
Source Type	LED (encircled flux compliant)	Laser
Wavelengths (nm)	850 ± 20 , 1300 ± 20	1310 ± 20, 1550 ± 20
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
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/ANSI/TIA568.3	
AutoTest Speed	Loopback Mode : 5 seconds Dual Ended Mode: 6 seconds	
Insertion Loss Accuracy	≤0.2dB	
Measurement Repeatebility	≤0.05dB	
Length Measurement Accuracy	± (1m + 1 % of length)	
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	(0° C to 45° C)	
Storage Temperature	(-30° C to +60° C)	
Operating relative humidity (% RH without condensation)	0% to 90% RH (0°C to 35°C), 0% to 70% RH (35°C to 45°C)	
Safety	IEC 61010-1 3rd Edition	
Operating altitude	13,123 ft (4,000 m)	
EMC	EN 61326-1	
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	
Dimension (LXWXH)	177 x 92 x 42mm	
Weight	350 Grams	