



# NEWSLETTER

March 2026

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 OPTOKON\_GROUP

 OPTOKON GROUP

# OPTOKON Newsletter March 2026

Welcome to the March 2026 edition of our newsletter. This issue highlights our successful start to the year, featuring our participation at **WDS in Saudi Arabia** and **OFC in the USA**, alongside engagements at BICSI and Intersec. These international platforms allowed us to further our global reach and showcase our latest **rugged technologies**.

We are also proud to introduce our new cable drum solution specifically **designed for UGVs**, enhancing operational efficiency in demanding environments. Additionally, we were pleased to host Turkish students as part of the **Erasmus+ program**, fostering the next generation of specialists through international academic exchange.

## Join us at Modern Day Marine 2026

📍 Walter E. Washington Convention Center

📅 April 28-30, 2026

**BOOTH  
#2261**



## OPTOKON Recognized in Key Industry Reports

We're pleased to share that OPTOKON has been featured in several recent global market reports, including the **Multi-port Optical Power Meter** study, the **Optical Distribution Frame 2026 Forecast**, and the Handheld **Optical Fiber Endface Inspector** report.

These mentions highlight our commitment to precision, innovation, and dependable performance in the field. As the industry evolves, OPTOKON continues to support **telecom networks and data centers** with the high-quality, reliable solutions necessary for **next-generation fiber optic infrastructure**.

## In this issue

Attended Exhibitions .....	3	New products from OPTOKON Kable .....	11
News from OPTOKON Australia .....	6	OptoNet Strengthening Cybersecurity .....	15
Advanced Vehicle Integration for C4ISTAR.....	7	Achieve Certification with OPTOKON .....	13
OPTOKON and Erasmus+ Partnership.....	8	OPTOKON Products .....	14

# Successful Participation at WDS 2026 in Riyadh

During February, the **World Defense Show** proved to be one of the most impactful exhibitions for the OPTOKON GROUP. Located within the **Saudi Arabian Pavilion**, our booth remained a central hub of activity throughout the event, drawing a massive influx of visitors and official government delegations from multiple nations. These high-level meetings provided an incredible platform for **strategic networking** and allowed us to engage with the largest global players in the defense sector regarding the expanding reach of our capabilities.

Our presence at the show focused on demonstrating a **live, end-to-end topology** rather than individual products. We showcased the seamless interconnection of **LMCP and Intercom systems with radiation sensors and tactical radios**, proving how these diverse components function as

a single, mission-ready unit. This live integration demonstrated uninterrupted data flow from sensor to operator, while early discussions regarding our **Airborne Computing Platform** confirmed its alignment with future operational requirements.

As the event concluded, the quality of these discussions reaffirmed the **growing global demand for integrated defense solutions**. We sincerely thank everyone who visited our booth to explore our technologies and discuss future cooperation. Special appreciation goes to our partners in Saudi Arabia, **3Lines Advanced Technologies Company**, for providing an outstanding representative stand and exceptional support. We leave this event inspired and strengthened by new partnerships as we move toward the next challenges in the defense market.



## Notable Exhibitions Attended



**BICSI 2026**  
Riyadh, Saudi Arabia



**Intersec 2026,**  
Dubai, UAE



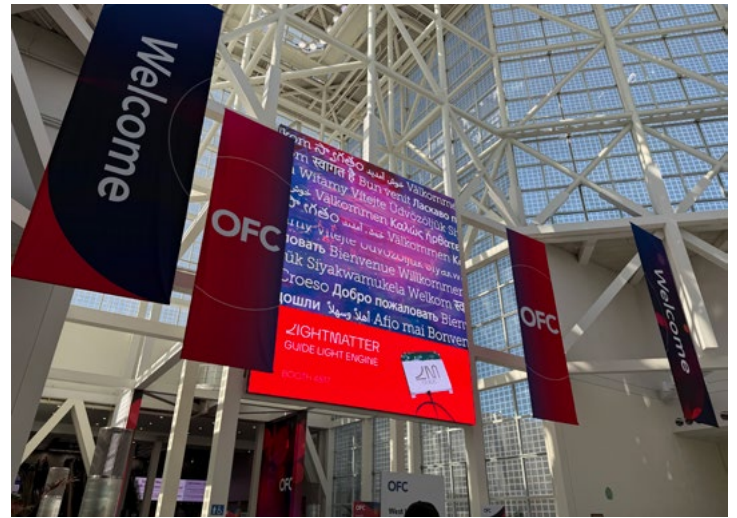
**WDS 2026,**  
Riyadh, Saudi Arabia

# OPTOKON Strengthens Strategic Presence and Innovation at OFC 2026 in Los Angeles

OFC 2026 in Los Angeles proved to be a landmark event for OPTOKON, representing a highly successful milestone and a premier opportunity to further solidify our strategic presence within the **North American market**. As one of the largest and most influential international gatherings in the **global optical communications industry**, the exhibition provided an unparalleled platform for our team to engage with a diverse range of new customers, industry leaders, and potential partners from across the **United States, Canada, and Japan**.

Throughout the duration of the show, we focused on presenting our latest advancements in **high-performance fiber optic technology**. This included our precision testing equipment and advanced FO testers, which are specifically designed to meet the rigorous demands of **modern network infrastructure**. We also showcased our comprehensive **FTTH solutions**, the specialized **DOS cabling system** tailored for high-density data centers, and our **ruggedized HMA connectivity solutions**, which are engineered to maintain peak performance in the most demanding and harsh environmental conditions.

The success of the event once again confirmed that our strong local support through **OPTOKON NORTH AMERICA**, combined with our proven technological solutions and **approved U.S. Government contracts**, provides a solid and reliable foundation for continued expansion. We would like to extend a sincere thank you to everyone who visited our booth and contributed to such a dynamic atmosphere. The productive meetings held in Los Angeles have already opened doors to exciting new business opportunities and future contracts, and we look forward to the innovative projects and long-term partnerships that lie ahead.



# OPTOKON at CZECH UAS INDUSTRY DAY

On Tuesday, OPTOKON participated as an exhibitor at the **CZECH UAS INDUSTRY DAY** in **Moravské Budějovice**. The event provided a valuable look into current trends and technologies within the **unmanned systems sector**, serving as an excellent environment for sharing expertise and establishing new professional collaborations.

During the event, we presented our latest innovation: a **radiation sensor** designed for versatile deployment. This sensor can be mounted on **drones, vehicles, or at entry points** to critical areas to provide continuous radiation monitoring.

Additionally, we showcased our range of **ruggedized optical cables**. As the industry moves away from traditional metallic cabling, the use of fiber optics is rising rapidly due to its superior performance characteristics and reliability in demanding environments. The day was filled with productive discussions with industry experts, confirming the growing importance of **integrated tactical solutions** in modern unmanned systems.



Join us at the  
**FIDAE 2026**  
Exhibition

📍 Santiago de Chile

📅 April 7-12, 2026

**BOOTH**  
**B/137+138**

FIDAE  2026





# OPTOKON Australia at the AUKUS Supply Chain Conference

On March 17, 2026, OPTOKON Australia participated in the **AUK-US National Supply Chain Conference** held in Adelaide. This high-profile event was co-organized by the **Australian Submarine Agency, BAE Systems, and Australia's Submarine Company**, attracting a specialized group of approximately 200 participants. Attendees primarily represented major contractors and defense sector companies from across multiple states, all gathered to discuss the future of Australia's **maritime defense infrastructure**.

The primary objective of the conference was to provide a comprehensive **update on the ambitious AUKUS program**, which is centered on the construction of **nuclear-powered submarines for the Australian Defence Force**. This massive undertaking is scheduled to span from 2023 well into the 2040s, backed by a total projected investment of **\$368 billion**. A significant portion of this funding, roughly **\$30 billion**, is specifically earmarked for the **Adelaide Shipyard in Osborne**, highlighting the immense scale of the local industrial commitment required.

During the event, OPTOKON Australia gained excellent exposure and actively engaged with numerous industry participants to explore future synergies. While the **SSN-AUKUS build program** is still in its early stages, the conference emphasized the critical importance of developing sovereign capability and expanding the local supply chain. By connecting with key stakeholders now, OPTOKON Australia is positioning its advanced **fiber optic and ruggedized technological solutions** to meet the rigorous demands of this long-term, multi-billion dollar defense initiative.

Join us at the  
**DSA 2026  
Exhibition**

📍 Kuala Lumpur

📅 April 20-23, 2026

**BOOTH  
#8224C**



# COMPLETE SOLUTION FOR C4ISR

**Nuclear Radiation Sensor**  
Versatile sensors integrated with LMCP designed for internal or external mounting in civil and defense vehicles.

**High-Class Rugged IP Phone**  
Provides secure phone communication over a data network with all standard call features.

**Digital Intercom System**  
Connects up to 10 users and 2 radios, providing seamless in-vehicle and field communication for armored platforms.

**Rugged Media Converter**  
Converts between fiber and Ethernet, extending network reach in tough environments.

**Rugged Display Assistant**  
Rugged tactical display for mission control in extreme environments.

**Light Mobile Computing Platform**  
A multifunctional server with an integrated switch, using virtualization to provide routing, storage, remote desktop, and Battle Management services while hosting navigation, cameras, and other mission systems for secure military data distribution.

**Light Mobile Data Switch**  
Portable data switch with battery backup for reliable mobile network use.

**Communication Node**  
A communication node that securely manages data exchange between classified and unclassified networks.

**Rugged Cable Drum**  
For deploying high-performance optical networks in military and industrial environments.

**Rugged Next-Gen Gigabit Router**  
Secure, high-performance router for mobile networks, optimized for data, voice, and video.

**Expanded Beam Connector**  
Connects tactical networks and devices using optical fibers in tough environments.

**Breakout Tactical Cable**  
Provides reliable data transmission in harsh conditions for military and industrial use.

**Uninterruptible Power Supply**  
Provides reliable DC power and battery charging, ensuring optimal performance in harsh conditions.

## Advanced Vehicle Integration for C4ISR

OPTOKON provides the advanced technology and expert integration required to implement a complete C4ISR topology within modern vehicle platforms. Our approach ensures that command, control, communications, computers, intelligence, surveillance, and reconnaissance systems operate as a unified, high-performance network.

By integrating ruggedized hardware and communication systems directly into vehicle architectures, we enable seamless data flow, coordination, and situational awareness for modern tactical operations.

Our solutions feature the Light Mobile Computing Platform (LMCP) as the processing core, supported by high-performance switches and media converters that maintain network integrity in the field. The LMCP also includes a virtualization layer hosting the Battle Management System (BMS), while an addi-

tional software layer supports the control and monitoring of all subsystems connected to the LMCP, as well as providing the computing performance required for demanding mission applications.

For secure and reliable connectivity, we utilize our ruggedized cable drums equipped with tactical military cables and HMA Expanded Beam connectors for harsh environment conditions. The integration extends to critical communication and monitoring platforms, including IP phones and intercom systems for secure crew coordination, alongside radiation detection sensors and other mission sensors that enhance real-time environmental and operational awareness. This gives operators reliable access to critical tactical and reconnaissance data in demanding environments. From design to deployment, OPTOKON transforms standard vehicles into mission-ready C4ISR platforms.

# Fostering Future Talent: OPTOKON and Erasmus+ Partnership

We are pleased to highlight our ongoing cooperation with the **Turkish Anatolian Technical High School** as part of the ERASMUS+ program. On February 20, four students successfully completed their professional internships at OPTOKON, and we immediately welcomed a new group of four students to begin their training under the same collaboration.

OPTOKON is proud to partner with educational institutions to support the **development of young specialists** in the fiber optics and technology sectors. We are honored to contribute to the growth of these future professionals and hope to meet them again as they advance in their careers. Within the OPTOKON Group, they are—and always will be—most welcome.



## UGV Cable Drum Solution

Our system combines the BBD-500 heavy-duty drum with our specialized Tactical Braid Patch Cable and HMA connectors. This integrated solution features a vehicle-mounted axle drum designed for rugged mobility. It deploys lightweight, rodent-protected fiber optic or hybrid cables engineered to endure ground-dragging abrasion, terminated with expanded-beam HMA connectors that maintain high-speed data integrity despite mud, dust, or water.



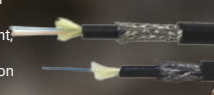
### HMA Connectors

Ruggedized connectors providing reliable high-speed fiber links with up to 12 channels in harsh conditions where dust, mud, and water would destroy others.



### Tactical Braid Patch Cable

Lightweight, high-strength fiber or hybrid cable engineered specifically for UGV deployment, offering superior abrasion resistance and rodent protection for rugged tactical tethering.



### LMRS

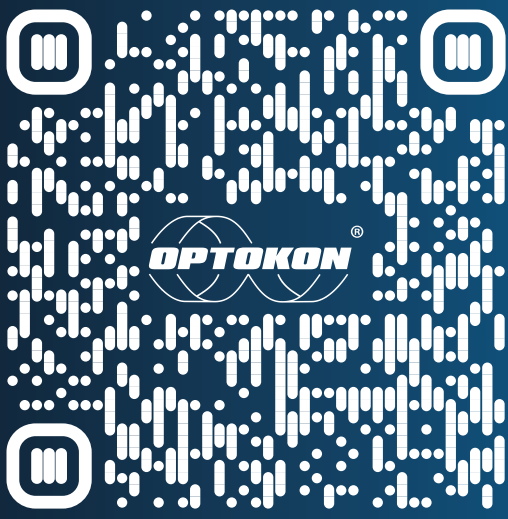
Nuclear radiation sensors for both civil and defense applications. These sensors can be installed inside or outside vehicles and mounted externally on landforce platforms such as UGVs and ground combat vehicles.



### BBD-500

Heavy-duty drum permanently attached to the axle, specifically designed for rugged installation on UGVs and tactical military vehicles.





## TO STAY IN THE LOOP

Unlock exclusive access to everything OPTOKON has to offer by subscribing to our News & Offers! By scanning the QR code, you'll be the first to receive:

- Insider Updates on our latest products before anyone else.
- Exclusive Offers tailored just for our subscribers.
- Exciting Announcements
- Our Quarterly Newsletter

# New Catalogues, Fresh Look

We are pleased to announce the release of two new OPTOKON catalogues, now available on request.

## Fiber Optic Connectivity Catalogue

Our Fiber Optic Connectivity Catalogue brings together OPTOKON's **full range of connectivity products** in one place. Whether you are looking for patchcords, connectors, adapters, attenuators, terminators, loopbacks, couplers and splitters, wavelength division multiplexers, or maintenance and cleaning solutions, everything is covered in a **single, easy to navigate document**.

## OPTOKON Kable Introduction Catalogue

For those looking to learn more about **OPTOKON Kable** and what we do, our Introduction Catalogue covers the full picture. From production processes and quality standards to our **Accredited Testing Division**, certifications, and product categories, it offers a clear overview of our scope of operation and what drives us forward.

## Request Your Copy

Both catalogues are available on request. If you would like to receive them, reach out to us at **MARKETING@OPTOKON.COM** and we will be happy to send them your way.



# OPTOKON Expansion Nears Completion: New Production Facility Set to Launch Soon

OPTOKON is entering another important stage in its strategic development. The new production extension at the company's headquarters in Jihlava is now approaching completion and continues to progress according to plan. As part of OPTOKON Group's long-term strategy to expand its manufacturing and technological capabilities, this investment represents a major step forward in supporting future growth and advanced production.

The new facility will be fully integrated into the existing headquarters and will provide modern space dedicated primarily to the production of equipment for defense and other technologically demanding applications. Designed to meet the highest standards, the building will include anti-static flooring and specialized infrastructure for working with sensitive electronics. Its architectural design has also been carefully developed to align with the existing site and surrounding buildings.

An important milestone has already been achieved: the production technology for the new extension has been fully purchased. This allows the final phase of preparation to continue smoothly and keeps the project on schedule. Production in the new extension is expected to become accessible from the end of April, further strengthening the company's manufacturing capacity and supporting the development of high-value products for defense, critical infrastructure, energy, and other demanding sectors.

More than just a construction project, this extension reflects OPTOKON's ongoing commitment to innovation, in-house development, and long-term international growth.

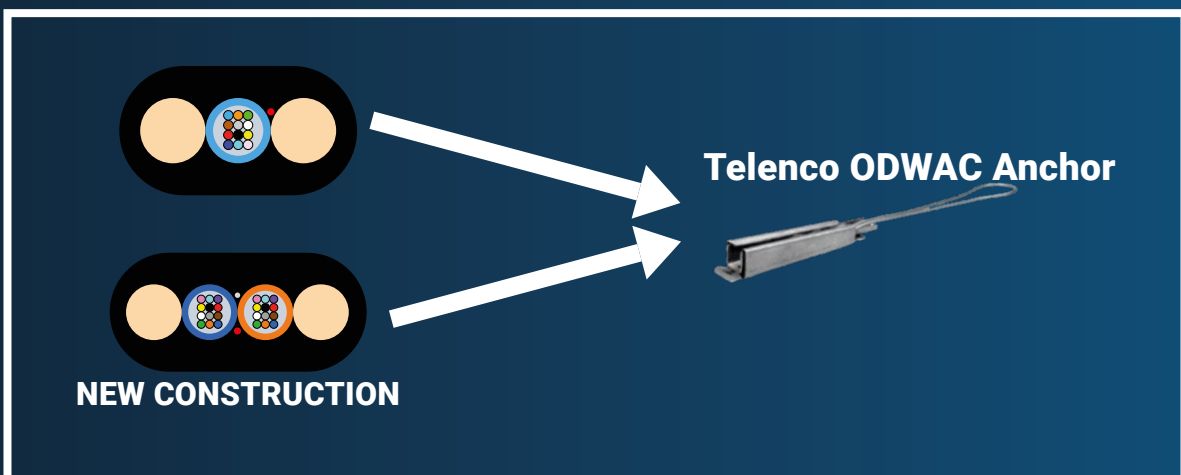
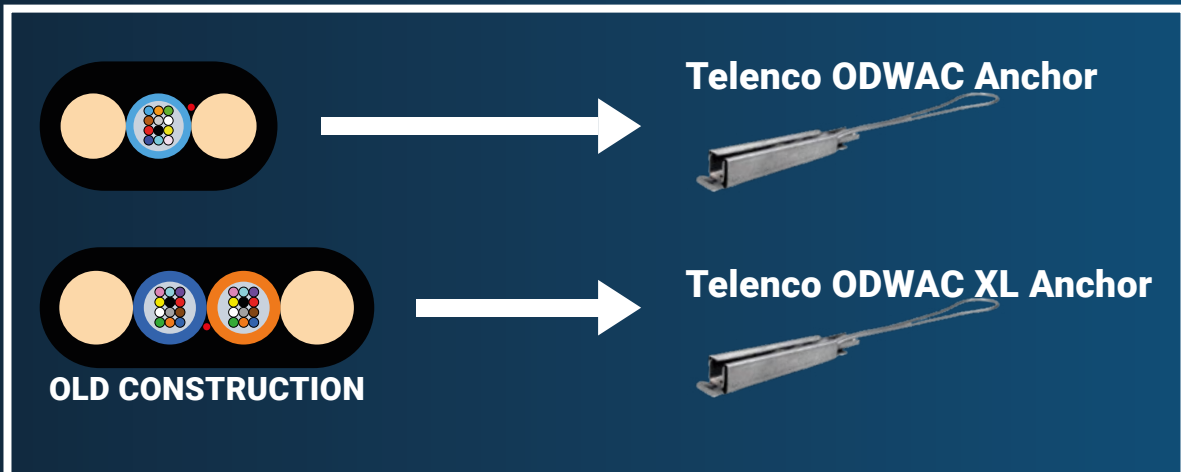


# Streamlining Aerial Installations: The New 24F (NC) Flat Cable



OPTOKON Kable is pleased to introduce the **Flat Aerial Cable 24F (NC)**, an optimized 24-fiber construction **designed for more efficient deployment**. By refining the cable's dimensions, we have successfully standardized the anchoring hardware required for aerial installations.

Previously, 12-fiber cables used a standard ODWAC clamp, while 24-fiber cables required the **larger ODWAC XL**. With the new 24F (NC) design, both 12 and 24-fiber cables now **utilize the same ODWAC clamp**. This innovation provides our customers with significant cost savings and simplifies inventory management by **eliminating the need for multiple clamp sizes**.



## Manufacturing Expansion

As part of our commitment to continuous growth and technical innovation, OPTOKON Kable is preparing for a **significant upgrade to our production facilities**. By the end of June, we plan to install a newly acquired, **state-of-the-art production line** dedicated to expanding our high-performance cable portfolio.

This strategic investment will allow us to introduce a **new generation of optical cables** featuring **tight secondary protection**. These versatile cables are specifically engineered for universal application, providing robust and reliable connectivity for both indoor and outdoor environments. This expansion not only increases our production capacity but also ensures we continue to provide the diverse, high-quality solutions required by the **evolving telecommunications market**.



# Applying PROKI Project Data in Practice: Introducing the PEP System

PROKI (Prediction and Protection against Cyber Incidents) is a research project by the CZ.NIC association and the **National Security Team CSIRT.CZ**. The project's data outputs provide relevant information about security events within a network and are intended for Internet Service Providers (ISPs) and Czech organizations that are members of RIPE NCC (LIR – Local Internet Registry).

As part of information security management at OptoNet Communication, we have developed our **own automated system called PEP** over the past few months. This tool transforms data from the PROKI project into clear HTML reports for our customers – typically local ISPs. The system informs them about suspicious activities within their managed address blocks, providing a predictive lead time.

The PEP tool is **fully automated and, beyond the initial configuration, requires no human intervention**. We are offering our customers a new, **free service** that allows them to respond to warnings in time and prevent serious cyber incidents. The system is currently being fine-tuned in a testing phase, and we plan to launch it into **full production in mid-April 2026**.

And **what does such a warning look like?** Do not expect a jumble of incomprehensible code. Our goal was to deliver key information in a highly readable format. See for yourself how we did (for data protection reasons, sensitive information in the sample has been redacted).

PEP - Upozornění na bezpečnostní událost

abuse@optonet.cz  
To [redacted]

This message was sent with High importance.

Reply Reply All Forward [Share] [More]

st 18.03.2026 10:14

OPTONET COMMUNICATION, SPOL. S R.O.

## Bezpečnostní notifikace

VAROVÁNÍ

Vážení zákazníci,

Jménem společnosti OptoNet Communication, spol. s r.o. Vám, v rámci plnění našich povinností vyplývajících ze **Zákona č. 264/2025 Sb. – Zákon o kybernetické bezpečnosti**, informujeme o zjištěném podezření na problém v kybernetické bezpečnosti na IP adrese Vámi spravovaného rozsahu.

Níže uvádíme seznam IP, na kterých bylo podezření detekováno.

DETEKOVANÉ INCIDENTY

#1	78. [redacted]	HIGH	vulnerable-system
source.asn	43542		
extra.device_type	router		
feed.name	Open-SNMP		
classification.identifier	open-snmp		
extra.amplification	1.27		
classification.type	vulnerable-system		
source.geolocation.city	[redacted]		
extra.response_size	108		
source.ip	[redacted]		
extra.sysdesc	RouterOS RB2011UIAS		
extra.device_sector	consumer		
extra.version	2		
source.geolocation.latitude	[redacted]		
protocol.transport	udp		
extra.severity	high		
time.observation	2026-03-17T22:04:20+00:00		
extra.tag	iot;snmp		

**OptoNet**  
Communication  
DATOVÉ CENTRUM VYSOČINA

# ACHIEVE CERTIFICATION with OPTOKON



In real-world operation, a product has to prove itself. Durability, electromagnetic behaviour, resistance to shock and climate are not nice-to-haves anymore. They are the baseline for getting products certified, accepted, and trusted.

**OPTOKON Testing Division exists to help you get there.**

We offer **comprehensive testing** for optical cables and electronic equipment, covering electromagnetic compatibility, climatic resistance, mechanical stress, and operational parameter verification. Everything is conducted in **accordance with ČSN EN ISO/IEC 17025**, the **internationally recognised standard** for testing and calibration laboratories. That means your results carry weight in certification processes, in procurement conversations, and on the market.

A growing number of our customers are developing or adapting products for **defence and demanding industrial applications**. For them, **compliance with military standards is not optional**.

## Optical Cable Testing

OPTOKON performs accredited optical cable testing according to **EN 60794-1-21 and EN 60794-1-22**:

- E1** – Tensile performance
- E2** – Abrasion test
- E3** – Crash test / press resistance test
- E4** – Impact test
- E6** – Repeat bending test
- E7** – Torsion test
- E8** – Flexing test
- E10** – Kink test
- E11** – Bend test

Along with climatic tests **F1, F9, and F15**.

## MIL-STD-810

Covers environmental stress testing including vibration, shock, temperature cycling, humidity, and more. If your equipment needs to survive harsh field conditions, this is where you start.

## MIL-STD-1275

Applies to power system requirements for military vehicles. If your product operates on a 28 V nominal supply in a vehicle environment, we can help you verify it is ready for those conditions and resistant to power fluctuations.

## MIL-STD-461G

Covers electromagnetic compatibility and interference for military electronics. We offer a full range of CE102, RE102, CS101, CS114, CS115, CS116, and RS103 tests, as well as CISPR standards including CISPR 25.

## TEMPEST

For projects where controlling electromagnetic emissions is a security requirement, we support TEMPEST verification for applications where a high level of technical protection is critical.

## EMC/EMI for Electronics

Our Testing Division is equipped with a dedicated EMC chamber and specialised measurement systems. We offer 8 accredited EMC/EMI tests across both emissions and immunity:

**EMI: CE102, RE102, CISPR 25**

**EMS: CS101, CS114, CS115, CS116, RS103**



# KIM1 Communication node

KIM1 is a comprehensive set of data resources **designed specifically for communication networks at lowest-level command locations**. This robust communications node is engineered to meet the rigorous requirements for interconnecting designated transmission assets while effectively mediating communications between various voice and video sources.

Beyond simple connectivity, KIM1 is built to handle the processing and storage of large volumes of data in demanding environments. This capability ensures that commanding officers have immediate access to the appropriate data required for informed decision-making. By streamlining information flow at the tactical edge, KIM1 provides a reliable foundation for situational awareness and mission success at every level of the command structure.



# LMAC-10 Atomic Clock

The LMAC-10 Atomic Clock delivers resilient timing for LMCP-based platforms operating in jammed, denied, or degraded environments. Designed as a highly stable local time reference independent of satellite navigation, it helps maintain synchronization across communication, command-and-control, and onboard digital systems when external GNSS timing cannot be trusted.

Integrated with the LMCP architecture, it synchronizes the onboard PTP/NTP server and distributes precise timing to connected systems via 10 MHz and PPS outputs, keeping radios, mission electronics, and network infrastructure aligned to a stable local source. Built for harsh deployment conditions, the LMAC-10 combines rugged construction, low power consumption, RS232 monitoring, and operation from -40 to +80°C. With short-term stability of  $3.0 \times 10^{-10}$  at 1 second, it provides a robust timing foundation for vehicles and other tactical platforms throughout demanding field and mission operations.



# Discover OPTOKON's HMA Connectors

OPTOKON's HMA connectors are built for reliable optical performance in the harshest environments. Designed for military, industrial, and broadcasting applications, they feature **expanded beam technology** for resistance to water, mud, oil, and dust. The hermaphroditic design allows fast, **tool-free deployment without the need for adapters**.

Whether used in tactical networks, petrochemical installations, or temporary communication lines, HMA connectors deliver low-loss, **high-performance singlemode or multimode links**. Durable, field-repairable, and easy to deploy, they're the ideal choice for demanding conditions.



# LMSW-E33-242M

The OPTOKON® LMSW-E33 ruggedized switch based on Cisco® IE industry technology extends switching capabilities to mobile and embedded networks that **operate in extreme environments**. The flexible, compact form factor of the switch, powered by Cisco IOS® Software, provides highly secure data, voice, and video communications to stationary and mobile network nodes, making it ideal for use in harsh environmental conditions. 10G fiber optic ports are terminated with HMA “Expanded Beam” connectors, which allows inter-connection of the nodes of tactical network by the

help of cables with optical fibers. The used “Expanded Beam” technology preserves all advantages of signals transmission through the optical lines in field harsh environmental conditions. The switch supports a variety of management functions, including Web UI, MIB, SmartPort, SNMP, syslog, DHCP server, SPAN session. The switch is able to fit all the common 24 V DC power systems. The switch operates in **wide operating temperature range -40 to +70°C**. The switch can operate as standalone device or in addition the 19” brackets allow switch installation into 19” rack or 1/2 19” rack.



## LMDS Light Mobile Data Switch

The LMDS is a lightweight mobile data switch in a portable frame powered by a **built-in UPS**. Both devices meet the required IP rating. It can be powered from AC 230 V or DC 24 V mains. For batteries it is possible to monitor their status - transparent window on the cover.

The switch based on the proven **Cisco® ESS 3300 technology** in a ruggedized design meets all requirements for the establishment and operation of mobile data networks.

A 10 Ah battery type BB-2590U serves as a backup power supply. This assembly ensures compatibility on the contemporary battlefield and the unification of charging sources used, for example, in L3Harris FALCON II radios, III and FALCON IV.



## LMAG 8-port VoIP gateway

The LMAG series introduces the **Voice over IP gateway** housed in a robust metal box. It is compact device designed for low-port-count applications, specially for tactical network telephony operating in harsh environmental conditions. Equipped with 8 FXS ports, plus Gigabit WAN and PC ports, they enable **seamless connectivity between analog devices** (phones, fax, POS) and IP/PSTN networks. Running on embedded Linux, they support advanced features such as call forwarding, transfer, 3-way conferencing, caller ID, PSTN failover, and more delivering a reliable, cost-effective, all-in-one communication solution.

# LMSR-C50 – 5G Router for Fast Field Data Transfer

The LMSR-C50 is a compact, high-speed 5G router designed for **fast and secure data transmission in environments with limited infrastructure**. Whether used in tactical deployments, mobile command units, or field operations, it ensures reliable connectivity where conventional networks fall short.

With **support for advanced encryption protocols** and seamless integration into tactical communication systems, the LMSR-C50 provides a secure and robust communication link. Its rugged design makes it ideal for critical missions, offering dependable performance even in demanding conditions.



## LMSR-R63 M series

The LMSR-R63 is a high-performance, ruggedized router designed for use in harsh environments—offering reliable operation in extreme temperatures and under shock and vibration conditions typical for mobile applications in rugged terrain. With **onboard hardware encryption**, the router offloads encryption processing from the routing engine to provide highly secure yet scalable video, voice, and data services for mobile and embedded outdoor networks. The router offers high performance, six Gigabit Ethernet interfaces (two routed and four switched), and a rich Cisco IOS Software feature set, providing investment protection for customers deploying **bandwidth-intensive applications in mobile or embedded networks** in heavy industrial, public safety, transportation, defense, and energy markets. In addition the router includes the 4x FXS VoIP gateway.



## LMSW-82T

The OPTOKON® LMSW-82T ruggedized switch extends switching capabilities to mobile and embedded networks that operate in extreme environments. The flexible, compact form factor of the switch provides **highly secure data, voice, and video communications** to stationary and mobile network nodes, making it ideal for use in harsh environmental conditions. 1G fiber optic ports are terminated with HMA “Expanded Beam” connectors, which allows interconnection of the nodes of tactical network by the help of cables with optical fibers. The used “Expanded Beam” technology preserves all advantages of signals transmission through the optical lines in field harsh environmental conditions.

The switch supports a **variety of management functions**, including STP/RSTP/MSTP and ITU-T G.8032 Ring<50 ms recovery time, advanced PoE management functions such as PoE device auto-checking and auto reset, layer 2 Ethernet IGMP, VLAN, QoS, Security, IPv6, bandwidth control, port mirroring, cable diagnostic and Green Ethernet.





OPTOKON's 16-Channel Optical Laboratory Tester

# OFT-4212-MCMU



## OFT-920 Ruggedized Optical Test Set

The OFT-920 ruggedized optical test set is designed for testing of optical networks terminated with connectors operating in harsh environment. It **combines both light source and optical power meter** in one common box. The test set is designed to meet the mining, petrochemical and broadcast industry demand. The ruggedized aluminium case makes the unit **ideal for field operation**.

The memory capacity allows **storage and uploading of up to 2000 measurements** including memory position or fiber number, wavelength, absolute value or relative value and insertion loss. The tester supports memory download and test report generating. The **rechargeable battery** ensures long term working with minimal operation costs.

- Ruggedized aluminium case
- Multimode (MM) and/or single mode (SM) applications
- Simultaneous testing of all 2/4 fibers
- Displayed units: dBm, dB
- High dynamic range
- Various light sources combinations
- Built-in charger, battery status indicator
- Easy to use with menu navigation



# MFP – Multifiber pigtail/patchcord

The MFP preterminated cable system is available in two different versions. Preterminated with different connector types the multifiber pigtail or patchcord can be delivered. The associated optical distribution frames are either completely assembled or have to be connected after the cable has been pulled in. Both versions are available for multimode or singlemode fibers and all connector types. The **MFP is suitable for every type of building cabling topography** and many external cabling applications.

## Features

- Available SM and MM versions
- Various connector types
- Easy connection and disconnection
- No need splicing to install optical network
- Optical distribution frame could be included
- Low Insertion loss & Reflection
- Simple & Low cost
- 4 – 144 fibers capacity
- Sub Unitised distribution cable type (other on request)

Pigtail type:	Cable type:	Diameter (mm), typ.
4 fibers	MT	5.0
6 fibers	MT	5.5
12 fibers	MT	6.5
24 fibers	MT	8.5
36 fibers	MT / SU	9.0 / 19.5
48 fibers	MT / SU	10.5 / 20.7
72 fibers	MT / SU	13.0 / 21.9
96 fibers	MT / SU	14.5 / 27.5
144 fibers	MT / SU	19.5 / 30.8



