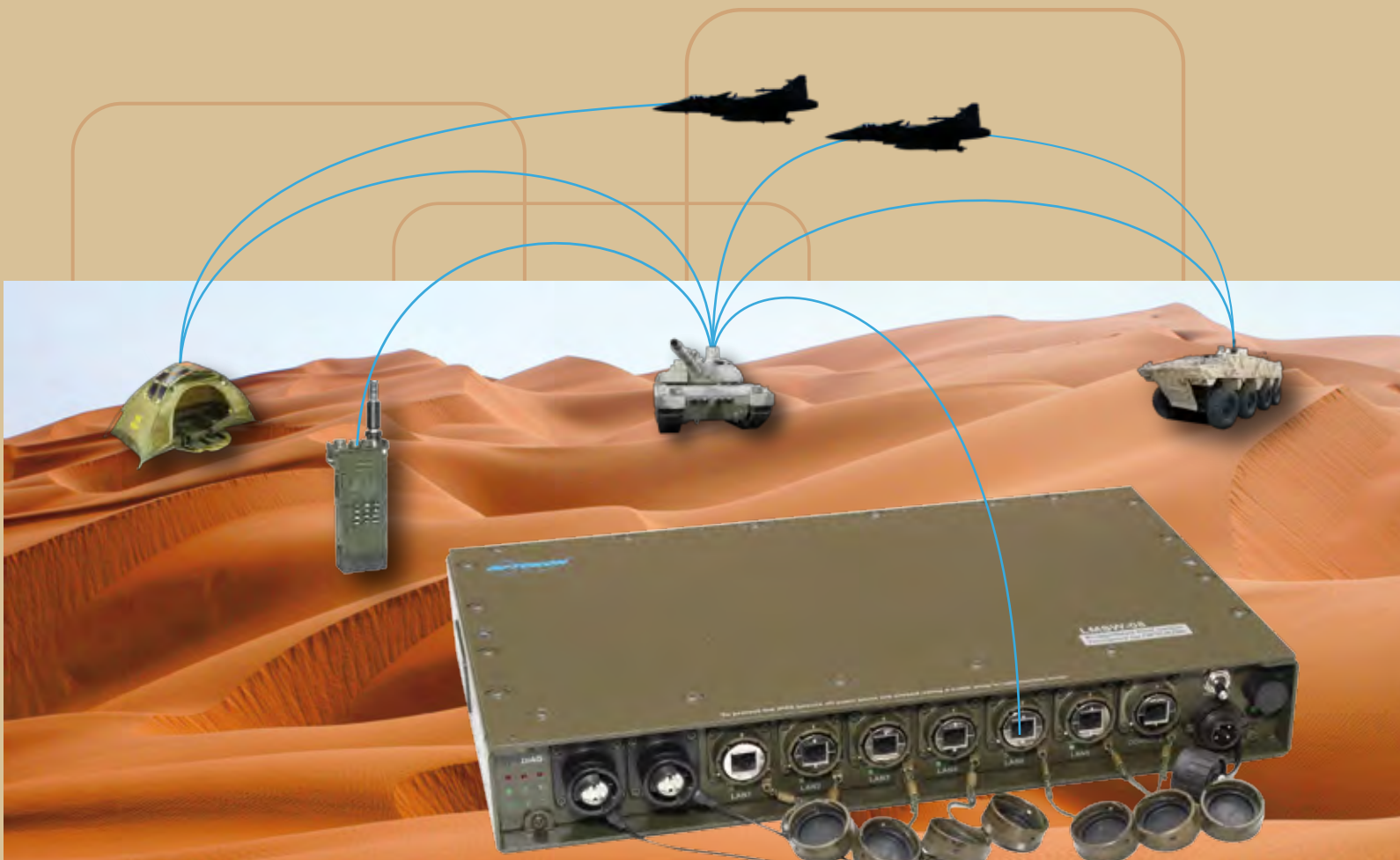


Tactical Optical Networks

THE COMPLETE SOLUTION

shaping the future of field optical tactical communications



- HMA harsh environment connectors and patchcords
- Ruggedized field fiber optic converters and repeaters
- Ruggedized field switches
- Ruggedized fiber optic test equipment
- Cable drums for tactical optical cables
- Ruggedized radio communication systems
- Maintenance and installation tools
- Tactical cable with optical fibers



NATO supplier code: 1583G

NATO IST RTG 095 LEADER



HARSH ENVIRONMENTAL MILITARY CONNECTORS

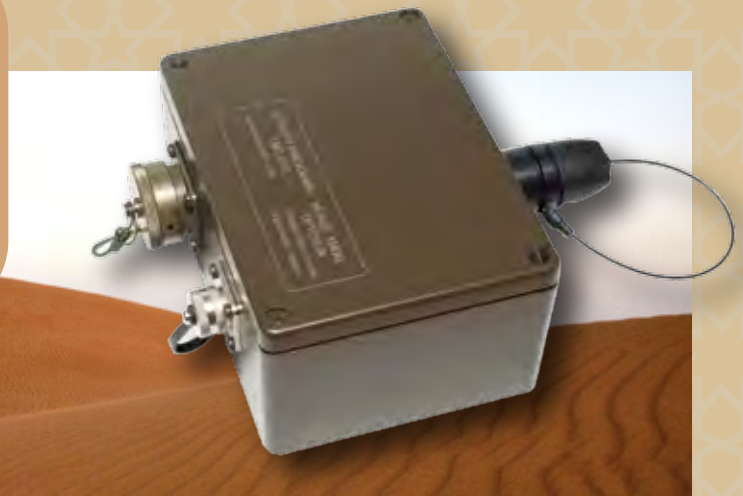
- MIL-DTL-83526 specification
- Hermaphroditic interconnection, SM or MM version
- Expanded beam or ferrule technology
- Needs no adapter, keyed boot for 'Blind Mating'
- Hybrid electrical & fiber channel options
- Rugged field repairable connector design



Reliable, ruggedized, high performance connectors for all harsh environments

OPTOKON RUGGEDIZED FIBER OPTIC MEDIA CONVERTERS

- 10/100/1000M media converters
- Interconnection of LANs in harsh environment conditions
- Fiber connectivity up to 2 km for MM up to 80 km for SM
- OPTOKON HMA Expanded Beam fiber optic connector
- Surface finishing RAL 6014, stoved powder coating
- MIL-STD tested



The ultimate in harsh environmental connections

OPTOKON Expanded Beam military connectors and ruggedized fiber optic media converters are designed for use in the toughest operating and environmental military applications. Designed to the highest standards, the unique Expanded Beam technology ensures reliable optical performance in contaminated and extreme environments while OPTOKON media converters provide a robust solution to extending network connectivity by up to 120 kilometers.

LMSW-08 SERIES RUGGEDIZED MILITARY FIELD SWITCH



- Robust compact design
- Cisco standard compatible
- 2 FO, 6 UTP, 1 dual-purpose 10/100/1000 and SFP port
- 10Base-T/100Base-TX and 100Base-FX standard
- Management and Control Features
- Complies with STANAG 4643 standards



LMSW-10 SERIES RUGGEDIZED MILITARY SWITCHES



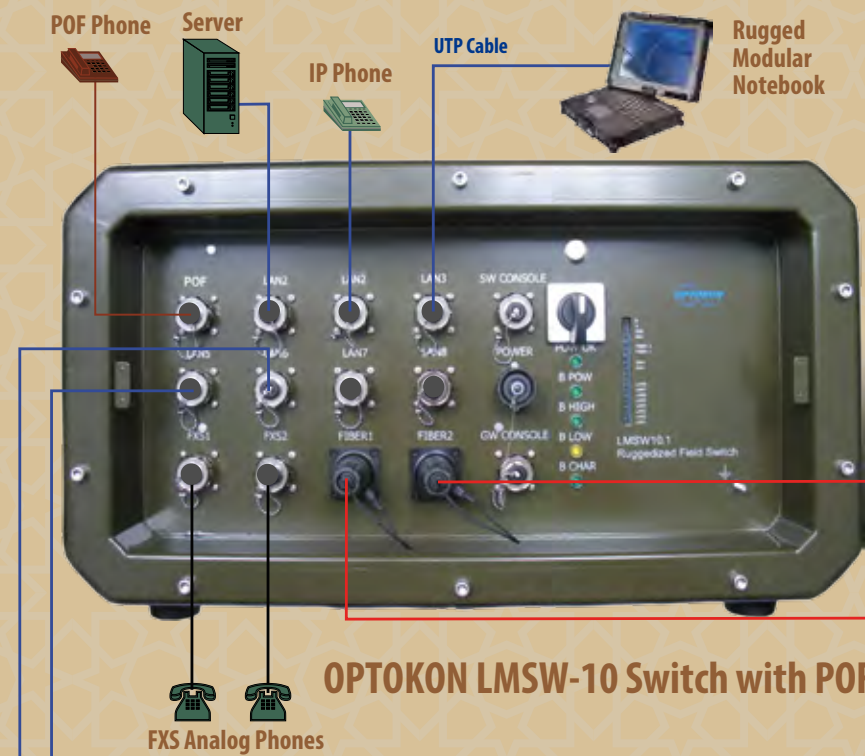
- Robust compact design
- 2 fiber optic ports, 8 (4) UTP ports, 1 (2) FXS ports
- 10Base-T/100Base-TX a 100Base-FX standard
- Backup battery - 4 hours operation
- Complies with STANAG 4643 standards
- Hard carrying case for transportation



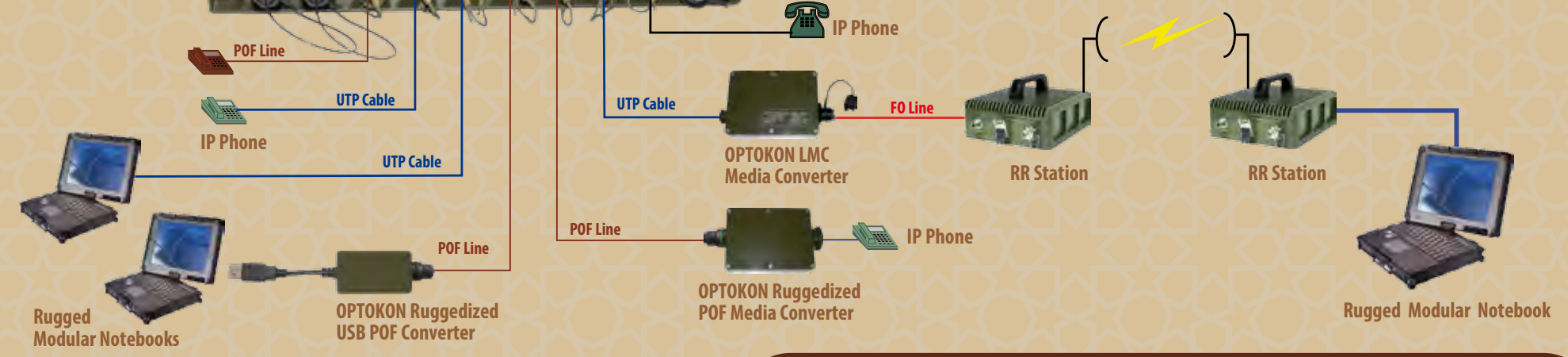
OPTOKON military switches are used for installation of mobile commands with field LANs to ensure data communications at remote observer stations, for LAN field installations in crisis situations and for installation headquarters for expeditionary troops. The devices fully comply with STANAG 4290 requirements and all military standards for components used in harsh environmental conditions.

LMSW-10 & LMSW-08 ruggedized switches have been developed as a part of the Integrated System for the Armed Forces of NATO

LMSW-10 - Czech Army Technical specifications: TP-LMSW10-OPT01-08



Deployable Squadron Operation Center



Vehicle interconnection using a fiber optic and POF data network inside the vehicle provides high bandwidth and reliability

**RUGGEDIZED HARSH ENVIRONMENTAL NETWORK
FULL PRODUCT RANGE**

HARSH ENVIRONMENTAL FIBER OPTIC TEST EQUIPMENT

- Ruggedized Hybrid Cable Tester
- Light Source & Hybrid Cable Tester
- Power Meter & Hybrid Cable Tester
- Singlemode or Multimode version
- Fiber optic testing and electrical wires checking
- Short circuit, Isolation, electrical contacts testing



OPTOKON HIGH QUALITY DEPLOYABLE CABLE DRUMS

- Complimentary high quality deployable cable drums
- Variety of appropriate designs and styles
- Suited to Military, Industrial, Broadcast and Audio applications
- Standard black color RAL 9005 matt
- Green khaki RAL 6014 color on request



OPTOKON harsh environmental portable fiber optic test equipment performs the crucial function of testing fixed and deployable harsh environment fiber cables to ensure long term reliability and operation. OPTOKON high quality deployable cable drums are provided in various sizes and configurations to suit varying field applications.

TACTICAL RADIO COMMUNICATION SYSTEMS



- Personal short-range radio system
- Handheld and mobile transceiver
- Portable and mobile sets for voice and data operation
- TRANSEC & COMSEC technology
- Full-duplex voice communication
- Voice and data encryption

FIELD MAINTENANCE AND INSTALLATION TOOLS



- Diagnostic set with fiber optic light source and power meter
- Maintenance clean kit for military optical connectors
- Mini cable splice tool kit, mechanical splice for tactical cables
- Field termination & repair tool kit for military connectors
- Fusion splice tool kit - quick repair of damaged or broken mobile tactical optical cables

Lightweight and compact, OPTOKON ruggedized radio communication systems are fully resistant to knocks and drops thanks to the ruggedized exterior and are designed for communication between mobile groups, for issuing orders from headquarters to individual soldiers and for communication between soldiers during missions. OPTOKON field maintenance and installation tools contain all necessary tools and components to ensure full field operation.

OPTOKON

OPTOKON, a.s. a leading global designer and manufacturer of fiber optic network solutions specializes in the production of military tactical components for use in harsh environmental conditions. OPTOKON currently supplies the military forces of more than 20 countries with high quality military tactical components using unique Expanded Beam technology.



- Fiber Optic Technology leadership
- 22 years experience on the global fiber optic market
- NATO supplier code: 1583G
- More than 14 years experience of supplying the militaries of over 20 countries
- National Security Authority certified
- ISO and AQUAP certified
- Accredited Calibration Laboratory No. : 2315

OPTOKON PORTFOLIO, SERVICES & DIVISIONS

■ FIBER OPTIC DIVISION

- Connectors, Cable Assemblies
- Cable Management Systems
- Splitters, WDM, CWDM and DWDM
- Data Network Equipment
- Test Equipment
- Harsh Environment Optical Network
- Service and Calibration Center

■ SERVICE DIVISION

■ MANAGEMENT & CONTROL DIVISION (SCADA)

■ AIR CONDITIONING AND COOLING DIVISION



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OPTOKON Baltic SIA



OPTOKON Serbia, Representative Office



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OPTOKON, a.s. reserves the right to make changes, without notice, to the products described in this document, in the interest of improving design, operational function and/or reliability.

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