

Follow Us



KHUSHICOMMS

Empowering Innovative Solutions



Router, Switches & Wi-Fi Access Point



Timing & Synchronization



Deep Network Visibility



Test & Measurement



Remote Fiber Monitoring Solutions



Underground Locating Equipment

KHUSHI COMMUNICATIONS PVT. LTD.

705-706, 7th Floor, Kirti Shikhar Building, District Centre, Janak Puri, New Delhi-110058, INDIA.

T: +91-11-41615459 E: info@khushicomms.com W: www.khushicomms.com



- DELHI
- BANGALORE
- MUMBAI
- PUNE

ABOUT US

Your Partner in Network Precision & Performance

We are a technology-driven solutions provider specializing in **Timing & Synchronization, Test & Measurement, Remote Fiber Testing & Monitoring, GPON Protocol Analysis, and Network Performance & Cybersecurity.**

With a strong focus on innovation and reliability, we aim to empower service providers, data centre, utilities, enterprises and research institutes with state-of-the-art tools and systems. Our solutions are designed to ensure accuracy, visibility, and security across complex network infrastructures. At the core of our mission is a consistent drive to introduce the latest test technologies and expand our product and service offerings. We stay ahead of industry trends to meet—and exceed—the evolving demands of our customers and the markets we serve. Whether it's optimizing network performance, ensuring precise synchronization, or enhancing fiber monitoring and security, we deliver solutions that offer measurable value and long-term reliability.



OUR PARTNERS



LIST OF PRODUCTS

1 Router, Switches and Wi-Fi Access Point

- Data Center Solutions (1G-800G)
- Enterprise Network (L2 & L3 Switches)
- Service Provider Solutions (Core, Aggregation & Access Routers)
- Wi-Fi Access Point

2 Timing & Synchronization

- PTP Timing Aware Switch with Integrated Grandmaster
- NTP Server & PTP Grandmaster Clock
- GNSS Antenna, Splitter, In-line Amplifier, Accessories

3 Deep Network Visibility

- Network TAPs (Copper & Fiber)
- Network Packet Brokers
- Network Traffic Aggregators
- Traffic Capture & Analysis (IOTA & Profishark)

4 Test & Measurement

- RF & Wireless
- Multi-UE Traffic Generator
- Massive-MIMO Air Interface Simulator
- Transport & Datacom
- Optical Fiber Networks
- Network Emulators
- Manufacturing, Design and Development
- PON Networks (GPON/XGSPON)

5 Remote Fiber Monitoring Solutions

6 Underground Locating Equipment

- RFID Marker
- Marker Locator
- Cable Route Locator / Tracer
- Cable Fault Locator

Router, Switches and Wi-Fi Access Point

Data Center Solutions



1G-800G Switches

- For hyperscale data centers, high bandwidth applications
- Industry's first 800G open design
- High Performance and density
- low latency and exceptional power efficiency
- 32 x 800G QSFP-DD800 switch ports with Tomahawk 5
- Up to 30W power budget per port

Enterprise Network



L2 & L3 Switches

- L3 Switch - Secure, high-performance edge and core aggregation
- Full L3 Switches - PoE-enabled, efficient wired & wireless integration for SMBs
- L2+/L3 Lite Switches - Wi-Fi 7, high speed, low latency, dense environment ready
- Enterprise Managed Switches - Cost-effective gigabit aggregation for ISP/MSO FTTB/FTTH

Service Provider Solutions



Core, Aggregation & Access Routers

- Open Networking NOS: Multiple OS options for diverse service provider needs
- Core Routers (COR): Scalable, flexible fabric switch for carrier cores
- Aggregation Routers (AGR): High-performance edge/aggregation with PTP, SyncE, SRv6
- Cell Site Routers (CSR): Open design for mobile backhaul, fronthaul, broadband

Wi-Fi Access Point



Wi-Fi 5/6/7

- Enterprise-grade AP Functionality
- Standalone or be managed by EWS controller / ecCLOUD / ecOpen
- Up to 16 ESSIDs per Radio
- Optimal Client Filtering
- Integrated Layer 2 Firewall
- Detailed Client and Network Statistics

Timing and Synchronization

5G xHaul Transport & Timing Switch with PTP GM

Integrated PTP GM

OCXO / Rubidium Osc

Supports LLS C1-C4

OC, BC, TC Support



μFalcon-RX

- 6 x 1/2.5/10G (SFP/SFP+)
- 2 x 1/2.5/10/25G (SFP/SFP+/SFP28)
- L2 Throughput: 110Gbps
- OCXO



μFalcon-MX/G

- 4 x 1/2.5G (SFP) | 2 x 1G (RJ45)
- 2 x 1/2.5/10G (SFP/SFP+)
- L2 Throughput: 34Gbps
- OCXO



xFalcon-LRX

- Outdoor edge PTP grandmaster
- Inbuilt GNSS receiver & antenna
- 1x1/2.5G (SFP)
- 1x10/100/1000BaseT (RJ45, PoE)



Falcon-RX

NavIC Supported

- 12 x 1/10G (SFP/SFP+)
- 8 x 1/10/25G (SFP/SFP+/SFP28)
- L2 Throughput: 200Gbps
- OCXO / Rubidium



Falcon-MX/G

- 24 x 1G (SFP)
- 4 x 1G (RJ45)
- 4 x 1/2.5/10G (SFP/SFP+)
- L2 Throughput: 160 Gbps
- OCXO / Rubidium

NTP Server & PTP Grandmaster Clock



Net.Time

NavIC Supported

- 2x 1GbE RJ45/SFP Combo Ports
- GNSS, PTP, NTP and SyncE Support
- OCXO/Rubidium Oscillator
- I/O: BITS, MHz, 1PPS, 1RIG-B, ToD etc



μFalcon-ST/G

- 4x 1GbE RJ45 Ports | 4x 1GbE SFP ports
- 8x E1/MHz Balanced Port (120 ohm)
- OC, BC & TC configuration supported
- GNSS, PTP, NTP and SyncE Support
- OCXO Oscillator

GPS Accessories



GNSS Antenna



GPS In-Line Amplifier



Surge Arrestor



**GPS Repeater
Indoor GPS Coverage**



GPS Splitter



LMR -200/400/600 Cables

Deep Network Visibility

Network TAPs (Copper & Fiber)



Copper TAPs (100M/1G/10G)

Portable / Rack Mountable (Multiple Links)

- Smooth operation up-to 100 meters
- IEEE 802.3/802.3af, VoIP and PoE compliant
- Non-intrusive, zero failover, redundant



Fiber TAPs (1-400Gbps)

Portable / Rack Mountable (Multiple Ports)

- Fiber TAPs: Diode, LC, SC, MTP & BiDi
- Available Split Ratio: 50/50, 60/40 70/30
- Single mode and Multi mode fiber support

Network Packet Brokers / Aggregators

- L2-L7 Filtering, DPI
- Any-to-any Replication and Aggregation
- Passive SSL/TLS decryption SSL 3.0, TLS 1.0 - TLS 1.2
- Data masking, Packet deduplication
- IMSI Filtering, Timestamping
- Export NetFlow V5/V9
- Redundant AC/DC power supply
- Management: Local CLI, SSH, SNMPv2/v3, HTTP/HTTPS



X2/X3 Series

Advanced Network Packet Brokers

Traffic Capture & Analysis



IOTA EDGE-1G+/10G+

All-in-One Network Traffic Monitoring Solution

- 1TB/2TB Encrypted swappable storage
- Dual Out-of-Band or In-Line Mode
- Monitor hosts, top talkers, bandwidth,
- Latency, TCP,UDP, IPv4/6,VLAN, DNS
- GPS/PPS Timing Ports



Profishark (1G/1G+/10G/10G+)

TAP with Traffic Capture & Analysis

- Real-time traffic capture over 3.0 USB
- Non-intrusive, SPAN and In-Line modes
- Hardware filtering, deep packet inspection
- GNSS (GPS/GLONASS) UTC timestamping



IOTA - 10 Core

Traffic Capture and Analysis for Core Networks

- 4, 8, or 16 TB STORAGE
- Track down Security Flaws
- Traffic access, capture, and analysis
- Highly efficient Metadata collection
- 100M/1G/10G out-of-band capture inputs



IOTA - IOTA 100 Core

Traffic Capture and Analysis for Core Networks

- High-speed packet capture and analysis solution
- Core networks, large branches, and data centres
- Supports TACACS+/RADIUS/LDAP authentication
- 32, 64, 128, or 307 TB SSD in RAID 5 configuration
- 2 x 40/100G out-of-band capture inputs

Test & Measurement

RF & Wireless

Vector Network Analyzer



VNA485P (100kHz~8.5GHz)

- Frequency range: 100kHz ~ 8.5GHz
- Measurement Port: 2Ports or 4Ports
- Excellent dynamic range 135dB (typ)
- Support time-domain impedance testing



VNA-E (:100kHz-67GHz)

- Port: 2Ports or 4Ports
- Range: 120dB@67GHz (typ)
- Extended Spectrum modules
- Microwave C/X/Ku/K/Ka bands



MNA8 (100kHz~20GHz)

- Up to 24 ports, N-type
- Parallel Testing of multiple DUTs
- Dynamic range: >135dB@8.5GHz

RF Spectrum Analyzer



K-2700/A/B/C/D/E

- Frequency scan: 9kHz to 43GHz
- Real-Time Spectrum Analysis
- Interference Analysis
- Chan Scan :LTE-TDD,LTE-FDD,5G-NR
- IQ Analysis & Capture



XCAT-IXA

- Frequency : 9KHz~20GHz
- Spectrum / Channel Power /OBW
- ACLR/SEM/SE/EVM/VSWR/Return loss
- Measurement (5G NR, LTE, WCDMA)
- PCI Scanning & Multi viewer feature



5G Pro

- Supports -FR1 & FR2
- 4G/LTE & 5G RF analysis
- Eth upto 100G/CPRI/eCPRI
- Timing & Synchronization
- Modular testing solution

Wireless Connectivity Tester



WT-428 (Wi-Fi 7)

- Support 4096 -QAM (MCS 12/13)
- Scalable to 8X8 true MIMO
- Cover three Wi-Fi bands: 2.4G, 5G, 6G
- Support 320/160+160/80+80 MHz bandwidth



WT-328 (Wi-Fi 6/6E)

- Support Wi-Fi 6E
- Upgrade to Wi-Fi 7 (160M)
- Frequency bands: 400 MHz - 7.3 GHz
- Support Portable Testing

Test & Measurement

Multi-UE Traffic Generator



XCAL-MUbox

- Base station load and stress test with communication module
- Support scalability beyond 1000 UEs
- Provides an optimal MIMO environment using a wired RF connection
- Support application automation test : VoLTE, iPerf, PING, Attach/Detach
- Built-in CPU board
- Support replaceable SIM slots
- Support various mobile technologies : 5G, 4G, 3G, etc.
- Measure various messages: Layer 1/2/3

Multi-UE Air Interface Simulator



XCAT-AIS C

- RF Attenuator Support Path loss of radio wave propagation
- Supports 4x4, 2x2, 1x1 single and multiple antenna testing
- Designed to replicate real-world signals in a lab
- Emulates the mobility of multiple UEs and BS
- Normal and Reverse mode switching between UE & Cell
- Simplest solution for conducting handover & Attenuation test
- Manages complex RF signals including MIMO & Carrier Aggregation
- AP Interface SCPI, API for Diverse Control Functions

Massive - MIMO Air Interface Simulator



XCAT-MAIS

- Perform 2G/3G/4G/5G channel emulation in your lab
- Reduce cost & time for drive test & post-analysis
- Compare cell performance under your specific criteria
- Logging & analysis of SINR/RSRP/RSSI/RB/MCS/Throughput etc.
- Channel Emulation (ITU/3GPP)
- Multi-UE scheduler, FFR, CoMP, IRC, ICIC/eICIC
- 3D Presentation of beamforming
- Full Digital Signal Multiplexing
- Radio environment control through geographical interface
- Virtual Mobility Simulation

Cable & Antenna Analyzer



XCAT-CAN

- XCAT-CAN delivers accurate and efficient cable and antenna analysis for real-world field environments
- Measures VSWR/Return Loss/DTF/CWG
- Wide Frequency Range
- Immediate Diagnosis and troubleshooting on the go
- Fast and highly accurate measurements anytime, anywhere
- USB interface for Wi-Fi dongle and host communication
- Very light and compact design
- Easy to operate and convenient to use

Test & Measurement

Transport & Datacom



FTB Platforms

Hand-held Multi-test Platform (1/2/4)

- Designed for Field/Lab & MDR applications



LTB Platforms

Rack-mountable Multi-test Platform (2/8/12)

- Designed for Lab & Manufacturing applications

► Modules (Ethernet/SDH/PDH/OTN/OSA/OTDR/PM/LS/ Fiber Channel/eCPRI)



FTBx-8870/8880
10G Multiservice



FTBx-88260
100G Multiservice Test



FTBx-88460
400G Ethernet



FTBx-88800 Series
800G Ethernet



FTBx-750C
metro/longhaul OTDR



FTBx-570
Single ended CD/PMD Analyzer



FTBx-2150
Light Source



FTBx-5245/5255
Optical Spectrum Analyzer



Max-800 Series

Ethernet & Transport Tester upto 100G

- Comprehensive testing for Dsn/PDH, ISDN, SONET/SDH
- OTN and Ethernet interface up to 100Gigabit/s
- Complete RFC 2544, eSAM & RFC 6349 test suite
- Quad- port testing up to 4 X 100GE links
- Multi-stream traffic generation, remote loopback
- OTN Testing (OTU1-4) including forward error correction
- L1-L4 testing with user defined parameters
- Simplified BER testing with pass/fail indicators



MAX-840

Ethernet & Transport Tester upto 400G

- Ether BERT, TGEN, Y.1564, RFC2544, Fibre Channel (1X - 32X)
- Simultaneous monitoring of throughput, frame loss, packet jitter
- Traffic generation up to 16 streams of Ethernet and IP traffic
- Detailed compliance testing;
IEEE 802.3ba and IEEE 802.3bs standard and IEEE 802.3ck standard
- Transceiver and cable validation;
SFP, SFP+, SFP28, QSFP+, QSFP28, QSFP56, QSFP-DD, QSFP112 and OSFP. Also AOC and DAC cables.

Test & Measurement

Technologies: Sync(PTP/NTP/SyncE)/Ethernet/C37.94/TDM/Datacom/Goose/SV



xGenius
PTP/NTP Sync Tester

NavIC Supported

- Clock Testing (MHz, BITS, ToD, PPS & 1R1G-B)
- Clock Module: Ocxo/ Rubidium
- Dual port 10GbE Eth./IP traffic generation & monitoring



Zeus
1GbE/Sync/C37.94/ Datacom/ GOOSE/SV

- Clock Testing (MHz, BITS, ToD, PPS & 1R1G-B)
- Performance Test: RFC 2544, RFC 6349, eSAM, Y.1731, L1-L4 BERT
- C37.94, GOOSE, SV



Ether.Genius
1GbE/Sync/E1/T1/ Datacom Tester

- Performance Test: RFC 2544, eSAM, Y.1731
- L1-L4 BERT
- PTP/SyncE Emulation & Test
- Clock Testing (MHz, BITS, ToD)



Ether.Giga
Y.1564 (e-SAM) FTD, 2-way FDV, FDV,
2-way FTD, FLR, SES, PEU and PEA

- Y.1731 QoS statistics
- 2 x SFP + 2 x RJ45 interfaces
- Symmetrical & Asymmetrical RFC2544 test
- L1/L2/L3/L4 loopback



AT.2048/AT.One
E1/T1 BER & Datacom

- Dual Port 2048 kbps /1544 Kbps(T1)
- Datacom (V.11, V.24, V.35, V.36, EIA-530)/
- Performance Test (G.821, G.826 & M.2100)
- CAS Signaling generation & monitoring
- VF tone generation & measurement.
- nx64, Pulse Mask, Jitter/Wander, Frame Relay



ACT 6000
Advanced Communications Tester

- Sine signal & Noise generator
- Selective level meter
- Longitudinal balance & return loss meter
- TDR & Resistance fault locator
- Voltage, resistance & capacitance meter
- Color LCD High-Resolution Graphic Display

Test & Measurement

Optical Fiber Networks

OTDRs & Splicing Machine



MAX Tester
715D/720D/730D/735D



FTB Lite Series
720D/730D/735D/750C



AXS-120/AXS-130
Mini OTDR



Mercury Series
OTDR (up to 46dB)



KI-6 Multifunctional
Fiber Optic Fusion Splicer



K-97
Handheld Fusion Splicer

Handheld Optical Testers



Optical Power Expert
Optical Power Meter



PPM-350D
Next-gen PON Power meter



KI-2600XL Series
POF Optical Power Meter



FLS-600
Light Source



FVA-600
Variable Optical Attenuator



FOT-600
Optical Loss Test Set



FIP-500
Fiber Inspection Scope

Test & Measurement

Network Emulator



WanRaptor

Multipoint Network Emulator (up to 40G)

- 2U 19" Rack mountable modular design
- Bandwidth, Latency, Jitter, BER, Packet Loss, Packet re-ordering, Packet duplication Traffic generation & emulation. Bridge & Router mode operation for Ethernet & IP traffic



PDS - 1/10G

LAN/WAN Emulator (up to 10G)

- 1U desktop design



Net.Storm

Impairment Generator (1G)

- Hand-held, battery operated & in-built display
- Fixed 1G Electrical & optical slots
- Emulation Supported:
Bandwidth, Latency, Jitter, Packet Loss, Packet duplication
- Real time statistics
- VNC based remote control

Manufacturing, Design and Development

Tunable Optical Filter, Optical Component Tester and Optical Switch



XTA-50

Tunable Optical Filter



CTP-10

Passive Optical Component Testing Platform



MXS-9100

MEMS Matrix Optical Switch

Tunable Laser Source, PMD and CD Analyzer



T200S/T500S/T100

Tunable Laser Source



FTB-5600

Distributed PMD/CD analyzer

Test & Measurement

Electrical BER Tester/ Sampling Oscilloscope



BA-1600
1.6T Bit Analyzer



BA-4000
Bit Analyzer



BA-4000-L2
Combiner L1 BER Tester & L2 Traffic Analyzer



EA-4000 Eye Analyzer
Optical & Electrical Sampling Oscilloscope



CD-4000 Clock Data Recovery
Optical & Electrical CDR



MA-4000 Module Analyzer
All in One BER tester - MCB

PON Testing Solutions (GPON/XGS-PON)



GPON DOCTOR 4K7/9K7/10K7
GPON/XGS-PON Protocol Analyzer

- Portable battery Operated; Chip-set Independent operation
- Diagnosis & analysis of incidents and operation in XGS-PON/GPON
- Evaluation of compliance with the protocol in the development of OLTs/ONTs XGS
- Evaluates the degree of compliance with the ITU-T G.9807.x, ITU-T G.984.x and ITU-T G.988 standard
- Captures OAM + PLOAM control data and OMCI messages + negotiation in real time
- Bandwidth analysis per T-CONT for each ONT



ARGUS-300
10GbE/GPON/Optical/Wi-Fi Testing

- Interfaces: xDSL, G. fast, SHDSL, GPON, POTS/ISDN, Eth 10GbE
- Triple Play: Data, VoIP, IPTV
- IP/Protocols: IPv4/6, VLAN, PPoE, Ping, Speed tests
- Copper: TDR, RFL, NEXT, LCL, spectrum
- Fiber: OTDR, Power, Fault, Inspection
- Wireless: Wi-Fi 2.4/5 GHz, Spectrum, AP/client
- Usability: Touchscreen, auto test, shockproof, long battery
- Modular: VoIP/IPTV, 10GigE, GPON, SHDSL, Copper Kit



EX-1
Gigabit, GPON & Wi-Fi Testing

- Gigabit testing w/ Speedtest®
- Dual-band Wi-Fi + channel map
- IPv4/6, VLAN, PPPoE, Ping
- GPON/XGS-PON link validation
- VLAN, Static IP, DHCP, URL check
- Auto reports (PDF/JSON/XML/CSV) via email/text/cloud

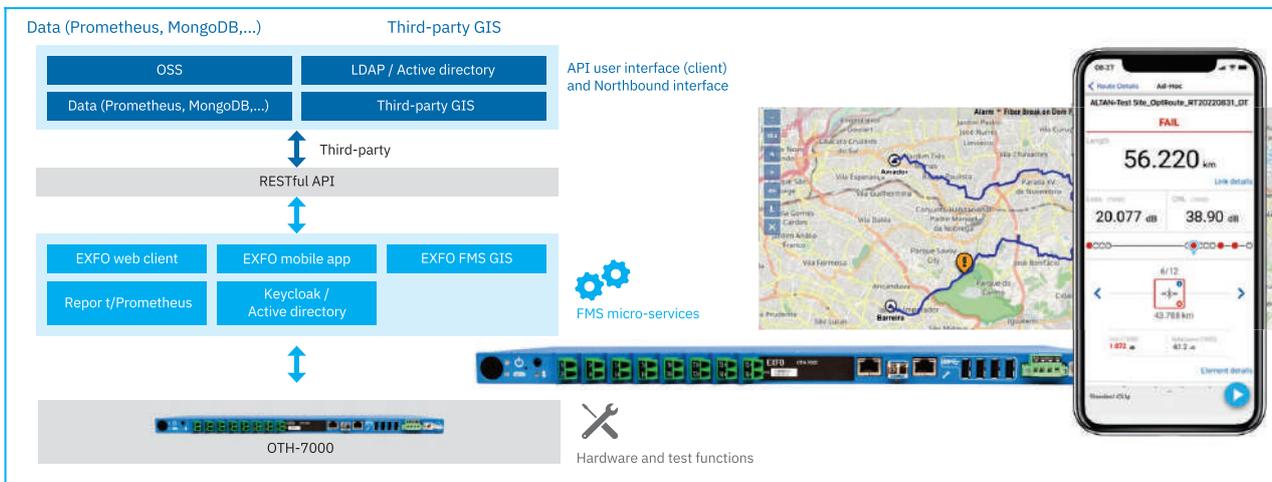


EX-10
Multigigabit GPON & Wi-Fi Testing

- Multi-Gig validation (1/2.5/5/10G)
- Speedtest® by Ookla®
- Latency & throughput pass/fail
- GPON/XGS-PON IDs, TOL, ODN loss
- SFP/SFP+ fiber Speedtest
- Wi-Fi 7 (2.4/5/6 GHz) + channel map
- Carrier-grade testing

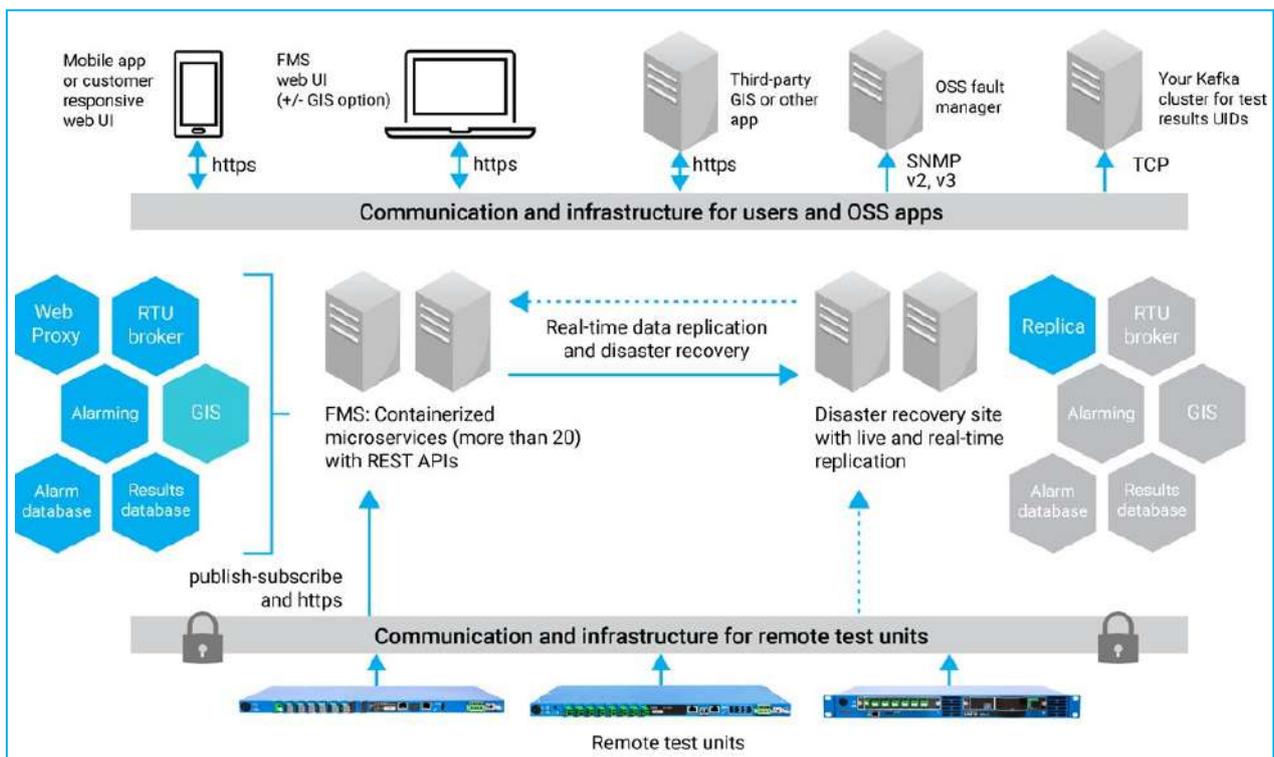
Remote Fiber Monitoring Solutions

OTH-7000 Remote Optical Test Head & Scalable System with Great Flexibility



Compact OTDR-based remote test unit designed for FTTx PON deployments, fiber-optic network monitoring and troubleshooting.

Key Functions & Features of FMS



The Fiber Management System (FMS) functions as an Element Management System (EMS) within a client-server architecture, overseeing test units configured as clients. Communication is event-driven, with FMS managing subscribers for each queue initiated by the test units, ensuring scalability and efficient load distribution.

Underground Locating Equipment

RFID Marker



EM-100

RFID Round Electronic Marker

- Accurate positioning with self-aligning coil
- Easy installation, no orientation needed
- RFID option for ID and data storage
- Cloud/On-chip info management
- Strong & durable: IP68, 4kN pressure, drop-proof
- Works from -30°C to +50°C
- Detect depth up to 1.7m

RFID Marker Locator



ML-1000

RFID Marker Locator

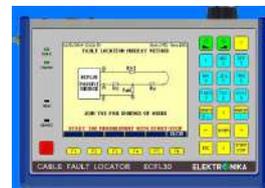
- Multi-frequency support (Gas, Water, Power, Telecom, Sanitary, CATV, General).
- Detects analog (No ID), ASK ID, and FSK ID markers.
- High sensitivity with strong noise suppression.
- Reads/writes RFID marker data, supports cloud & Android app.
- Accurate depth measurement ($\pm 15\%$ $\pm 5\text{cm}$).
- Rugged ABS build, IP54 protection.
- Detection depth up to 2.5m (depending on marker type).
- InBuilt GPS and Data Storage in Loactor.

Cable Fault Locator



Venus-120

- TDR, Pulse reflection testing
- Intelligent Bridge testing
- Test broken lines, crossing lines, Poor insulation
- Other type of faults in copper cables.
- Distance range up to 32 km
- Record memory up to 200 groups to USB(optional)



ECFL 30

- Resistance Measurements
- Capacitance Measurements
- AC-DC Fault Location Methods
- Graaf Fault Location Method
- TDR Measurements
- AC-DC Voltage measurements
- Cable temperature measurement

Cable Route Locator/Tracer



SR-24LE (10 Hz to 35 KHz)
Bluetooth® & GPS Line
Locator



SR-20 Locator
SeekTech SR-20 Locator



ST-305
Line Transmitter



ST-510
Line Transmitter



SUPPORT & SLA

Service Level Agreement	GOLD	SILVER
TECHNICAL SUPPORT Response Time/Initial Troubleshooting	04/08 Hours	08/24 Hours
ONSITE RESPONSE Resolution/Timeline	Included 03 working days	Paid 05 working days
ADVANCE REPLACEMENT Resolution/Timeline	Included 05 working days	Paid Sub. Availability
REPAIR & RETURN Timeline/Logistics	Within 30 days Both Ways	Within 30 days One Way
HARDWARE REPAIR	Full Repair	Full Repair
SOFTWARE RELEASE	Full Support	Full Support

Our Services



Repair
Calibration Services



I&C and
Acceptance Testing



Rentals & Engineering
Services



Synchronization
Audit & Testing



SLA, Support &
Maintenance



Training



011-4161 5459



info@khushicomms.com



www.khushicomms.com