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KHUSHICOMMS
Empowering Innovative Solutions



Router, Switches & Wi-Fi Access Point



Timing & Synchronization



Deep Network Visibility



Test & Measurement



Remote Fiber Monitoring Solutions



Underground Locating Equipment

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GeM Government e Marketplace

CERTIFIED ISO 9001:2015 COMPANY

एन एस आई सी N S I C

MSME MICRO, SMALL & MEDIUM ENTERPRISES सूक्ष्म, लघु एवं मध्यम उद्यम

- DELHI
- BANGALORE
- KOLKATA
- 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 l a 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

FibroLAN FIBEROPTIC NETWORKING
ALBEDO
Edge-corE NETWORKS
PROFITAP
EXFO
TEMPO COMMUNICATIONS
ELEKTRONIKA
KINGFISHER
ERTMS SOLUTIONS

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

- Transport & Datacom
- Optical Fiber Networks
- Manufacturing, Design and Development
- PON Networks (GPON/XGSPON)

5 Remote Fiber Testing and Monitoring

6 Underground Locating Equipment

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

7 Passive Items

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, 80/20, 90/10
- 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

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



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

Test & Measurement

OTDRs & Splicing Machine



Hollow Core Fiber (HCF) Testing



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



MAX Tester
720D/730D/735D



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



KI-2824
Optical Light Source



FLS-600
Light Source



FVA-600
Variable Optical Attenuator



FOT-600
Optical Loss Test Set



FIP-500
Fiber Inspection Scope

Test & Measurement

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, Electrical BER Tester



T200S/T500S/T100
Tunable Laser Source



FTB-5600
Distributed PMD/CD analyzer



BA-1602 Series
1.6T Bit Analyzer

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



GPD Cube
Autonomous PON Analyzer (GPON/ XGS-PON)

- Dual GPON / XGS-PON Protocol Analysis
- Integrated 5G & Ethernet/IP Connectivity
- Remote Operation & Troubleshooting
- Multi-ONT Validation with Optical Switching
- Real-Time, Background & Scheduled Capture
- Remote ONT Power Control & Recovery
- PLOAM, OMCI & GEM Traffic Analysis
- Automatic Capture Upload & Cloud Integration

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℃ to +50℃
- Detect depth up to 1.7m

RFID Marker Locator



ML-1000
RFID Marker Locator

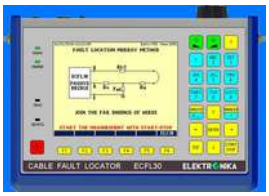
- Multi-frequency support (Gas, Water, Power, Telecom, Sanitary, CATV, General).
- Detects analog (No ID), ASK ID, and FSK ID markers.
- High sensitivity with strong noise suppression.
- Reads/writes RFID marker data, supports cloud & Android app.
- Accurate depth measurement (±15% ±5cm).
- Rugged ABS 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

Combines four testing functions in one instrument

- Active Bridge : Low Interference
- Passive Wheatstone Bridge : Higher Interference
- Graaf Fault Locator : For water-soaked telecom cables
- Dual-channel TDR : Distance range upto 32 Kms.
- Locate breaks, shorts, splits, cross-talk, impedance.

Cable & Pipeline Locator, PLCC Tester



K930

- Cable & Pipeline locating & cable identification
- Integrated GNSS for utility mapping
- Active Locating, Passive Power and Radio Modes
- Signal direction arrow indication.
- Depth measurement upto 20mtr.
- Cable Route Tracer with 15 watt Transmitter

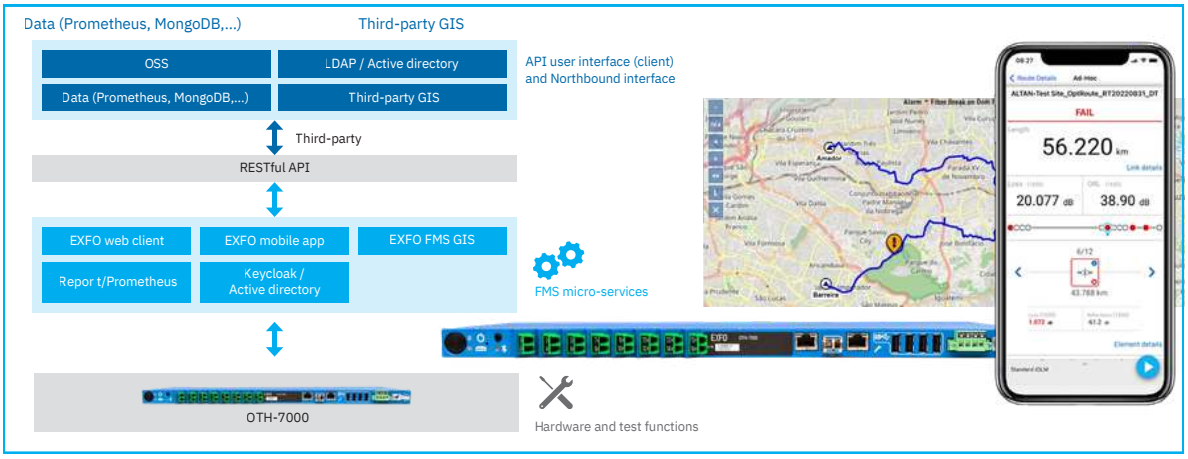


ACT 6000

- Sine signal & Noise generator
- Selective level meter
- Longitudinal balance & return loss meter
- TDR & Resistance fault locator
- Voltage, resistance & capacitance meter
- Micro interruption & Impulsive Noise Meter

Remote Fiber Testing and Monitoring

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.

Passive Items



Fiber Joint Enclosure

- Port Configuration – 24 Ports /48 Ports /96 Ports
- Max Capacity – 48 Cores
- Number of Cable Entrance / Exit – 1:3



Optical Patch Panel

- 24 Ports/48 Ports/96 Ports
- Connector Type – FC, SC, ST. LC
- Form Factor-1U/2U/3U/4U/5U(19" rack mountable)



Optical Patch Cord

- Cable Type – SM/MM, Simplex/Duplex
- Connector Type - LC/SC/ST/FC/MPO/MTP
- Fiber Type- OS2, OM3, OM4, OM5 , OS2 Single Mode, SM/MM
- AOC & DAC Cables (10G to 800G)



Transceivers

- Form Factor – SFP, SFP+, SFP28, QSFP+, QSFP28, QSFP56, QSFP-DD
- Data Range – 1G, 10G, 25G, 40G, 100G, 200G, 400G, 800G
- Connector Type – LC, LC Duplex, MPO/LC, MPO-16 /LC
- Type Distance – 100m to 10Km

Our Services



Repair
Calibration Services



I&C and
Acceptance Testing



Rentals & Engineering
Services



Synchronization
Audit & Testing



SLA, Support &
Maintenance



Training

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