



Smart Networks for Smart Living

Wireless & Network Systems Portfolio



INTRACOM
TELECOM

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Company Overview

Intracom Telecom is a global telecommunication systems and solutions vendor operating for over 40 years in the market. The company has become the benchmark in fixed wireless access and it successfully innovates in the 5G/4G wireless fronthaul, backhaul and small-cell SON backhaul international arena. Intracom Telecom offers a comprehensive portfolio of revenue-generating software solutions and a complete range of ICT services, focusing on IoT, SDN/NFV, Big Data analytics & data-driven intelligence, and Smart City solutions. The company also addresses the Energy & Utilities industry, emphasizing on smart metering and end-to-end IT solutions. Intracom Telecom maintains its own R&D and production facilities and invests significantly in developing cutting-edge products and integrated solutions. The company has extensive know-how and a proven track record in the market, serving more than 100 renowned customers in over 70 countries. Its subsidiaries span across Europe, Russia/CIS, the Middle East and Africa, Asia and North America.

Intracom Telecom has been innovating in the wireless access and transmission field for over two decades, having successfully developed and deployed point-to-point and point-to-multipoint systems with numerous operators in Europe, the Middle East, Russia & the CIS, Asia, Africa, Latin America and Oceania.

The company has strategically focused and is investing heavily in the continuous evolution of its broadband wireless product line. Intracom Telecom is incorporating the latest standards and state-of-the-art technologies in order to deliver cost-effective wireless solutions that address the rapidly growing market for high-speed connectivity services.

Dedication to R&D and commitment to technology innovation is at the foundation of the company's business strategy. Intracom Telecom maintains in-house state-of-the-art research laboratories that facilitate the rapid development of high-quality, advanced telecommunication systems.

For more information about the company, kindly visit our website at www.intracom-telecom.com.



Technology Shaping the Future

Major References

Afghanistan
-Etisalat

Albania
-Albtelecom
-AMC

Angola
-Netspace

Australia
-Telstra
-Wave1*

Bahrain
-Viva

Bosnia & Herzegovina
-Telekom Srpske

Brazil
-Furukawa Electric*

Bulgaria
-Globul

Ecuador
-Claro

Egypt
-Etisalat Misr

FYROM
-ONE

Germany
-Compart IT*

Ghana
-MTN
-Internet Solutions

Greece
-Connecticore
-Cosmote
-Forthnet
-OTE
-Vodafone

Guinea
-ETI
-Muni

Hungary
-Magyar Telekom

India
-MTS India

Indonesia
-Lintasarta

Iraq
-Itisaluna

Ireland
-Westica*

Italy
-BBanda
-BBBell
-Brennercom
-Comeser
-Connesi
-Delta Web
-EOLO
-Fidoka
-Infracom
-STEL
-Trivenet
-Unidata
-Wifweb

Ivory Coast
-CFAO*

Kazakhstan
-Kazakhtelecom

Latvia
-RTN

Lebanon
-Cable One

Liberia
-MTN

Libya
-GPTC

Malaysia
-Maxis
-Time dotCom

Mali
-Orange

Moldova
-Moldtelecom

Montenegro
-MTL

Morocco
-Bayanat*

Nigeria
-Airtel
-Internet Solutions
-MTN

Oman
-Omantel

Pakistan
-PTCL
-Wi-Tribe

Philippines
-Globe

Poland
-Xentia*

Russia
-ER Telecom
-MTS

Saudi Arabia
-Atheeb/GO
-Mobily
-STC

Senegal
-CFAO*

Serbia
-Telecom Serbia

Slovakia
-Slovanet
-SWAN
-T-Mobile

South Africa
-Afren*
-Broadlink
-Comsol Networks
-Dark Fiber
-Telkom
-MetroFibre
-MTN
-RAIN
-VO Connect

Spain
-Aire Networks
-Discom
-Fibra Optica Malaga
-Gesintel
-Globe Operator Telecom
-Ilorci TV
-Marin Telecom
-Riotelecomm
-Telecable
-Towernet
-WimaxOnLine
-Wipzona

Sri Lanka
-Dialog

The Netherlands
-ProRail

Turkey
-Net İletişim*

Ukraine
-Vodafone

United Arab Emirates
-Etisalat
-MTN Group

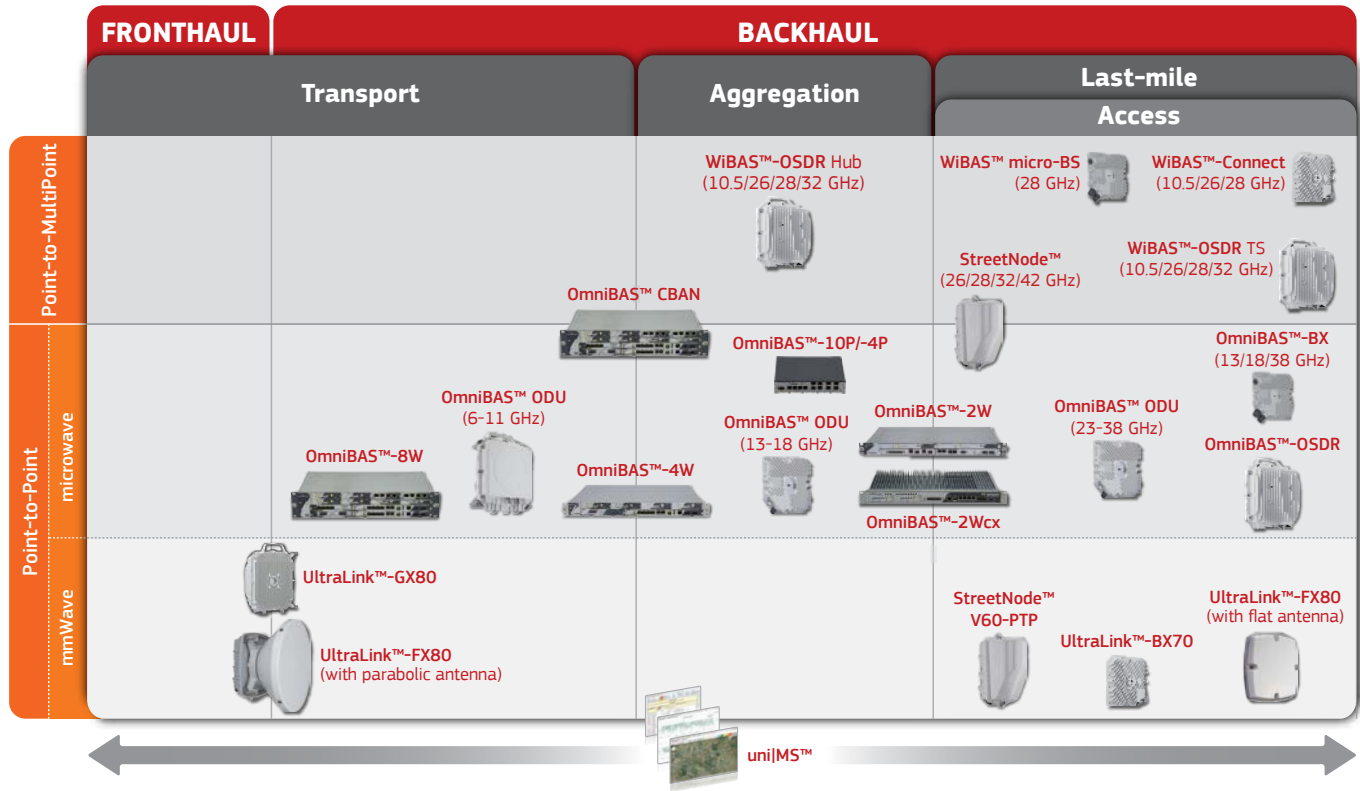
United Kingdom
-Hutchison 3G
-Westica*

USA
-Neptuno Networks
-RF Engineering & Energy Resource*
-Verizon Wireless
-Vivint Wireless



* networks sold via named partner

Radio Portfolio







HOME & BUSINESS FIXED WIRELESS ACCESS

Intracom Telecom's advanced compact all-outdoor radios bring 5G speed wireless access to any single family home or business and facilitate operator's deployment to the greatest extent possible. New subscribers in the served areas can be added quickly and easily to expand the access network in the most cost-effective manner.

HOME & BUSINESS FIXED WIRELESS ACCESS

PTMP BROADBAND WIRELESS ACCESS

High-Quality
PtMP Broadband
Wireless Access



WiBAS-Connect

Overview

WiBAS™-Connect, the most compact and lightweight microwave radio in the market, is the latest addition to the range of all-outdoor Terminal Station radios.

With high capacity, advanced networking features, low power consumption and leading Point-to-MultiPoint (PtMP) radio technology, it offers high-quality broadband access connectivity to SMEs and premium residential customers.

WiBAS™-Connect employs improved modem technology that enables higher channel bandwidth utilization and denser PtMP networks.

Benefits

- Leading sector density – up to 90 WiBAS™-Connect terminals per sector.
- State-of-the-art IP connectivity in zero-footprint installations.
- Ideal for low-CapEx broadband radio access deployments in rural areas.
- Interoperable with WiBAS™ OSDR – existing network investment is 100% reused.
- Automatic polarization option is also available for simplified installation.

Highlights

- Maximum 1 Gbit/s sector Ethernet capacity (1024-QAM / 56 MHz).
- Up to 500 Mbit/s Ethernet capacity (aggregate) by using a 56 MHz radio channel per end point.
- Operation at area-licensed frequencies:
 - 10.5 / 26 / 28 GHz
- Slim form-factor radio unit that can be equipped with a 30 cm or 60 cm parabolic antenna.
- Range extending to 10 km.

HOME & BUSINESS FIXED WIRELESS ACCESS

WIRELESS PTMP BACKHAUL & ACCESS

Ideal PtMP
Solution for
Residential &
Business Access



WiBAS-OSDR / micro-BS

Overview

The WiBAS™ family of base station radios deliver state-of-the-art IP connectivity offering leading Point-to-MultiPoint (PtMP) technology in area-licensed bands.

WiBAS™-OSDR addresses the needs for advanced broadband Fixed Wireless Access as well as demanding HetNet backhaul and legacy access networks. It is based on the software-defined platform and can also operate in Point-to-Point (PtP) mode with the appropriate license key to address sparsely-populated areas and extend the reusability of the radios in the network.

WiBAS™ micro-BS is a compact all-outdoor PtMP Base Station hub offering the highest convenience, performance and power-saving features in the market from a base station radio. Coupled with an omnidirectional sectoral antenna, it can be installed at the center of a village to serve any demanding subscriber within a large area footprint. The compact form factor of the hub and the delicate aesthetics of the omnidirectional antenna will blend unobtrusively with the surrounding environment.

By employing today's most advanced technologies, WiBAS™ base stations combine sophisticated features, robust performance and highly efficient operation to enable a wide range of profitable business plans, providing a key differentiator of operator success.

Benefits

- Rapid network expansion – just add terminals at the served sites.
- Lower initial and running costs as resulted from less equipment inventory.
- Large service area footprint – high terminal density per sector and very long ranges.
- Easy installation with zero-touch provisioning procedures
- Robust hitless adaptive modulation – 1024-QAM in PtMP mode and 4096-QAM in PtP mode – without data retransmission, which consumes valuable resources and increases latency.

Highlights

- Market-leading capacity reaching 1 Gbit/s per sector.
- Single, software-defined unit that can be configured as PtMP hub, PtMP terminal or PtP node (WiBAS-OSDR).
- Multiple high performance antenna options.
- Sophisticated hierarchical QoS capabilities
- Operation at area-licensed frequencies:
 - 10.5 / 26 / 28 / 32 GHz (OSDR)
 - 28 GHz (micro-BS)

HOME & BUSINESS FIXED WIRELESS ACCESS

MMWAVE HIGH-SPEED CONNECTIVITY

Efficient Wireless
GTTx & Enterprise
Connectivity



UltraLink-BX70

Overview

UltraLink™-BX70, an ultra-compact all outdoor Ethernet radio operating in the 71-76 GHz part of the E-Band spectrum, is ideally suited for use in cost-sensitive, high-capacity access applications.

Operating in TDD mode, UltraLink™-BX70 is flexible and efficient in the delivery of services, with asymmetric traffic profiles, such as broadband access or camera backhaul services. It achieves throughputs of up to 1.6 Gbit/s (aggregate), while offering a complete set of Carrier Ethernet networking features required for standardized SLA-enabled services.

Benefits

- Ideal for cost-sensitive wireless GTTx and enterprise connectivity services.
- Enables fast network deployment and services activation.
- Implements distribution network topologies without external switch.
- Maximizes spectral efficiency for access applications and camera backhaul networks.

Highlights

- Highest-capacity TDD E-Band radio in the market.
- Incorporates advanced Carrier Ethernet switch.
- Service reliability in interference-free spectrum.
- Small and lightweight unit with low power consumption.





4G / 5G SMALL-CELL BACKHAUL

StreetNode™, an innovative deployment toolkit employing winning technologies, operates in licensed or unlicensed spectrum to fulfill any demanding requirement with regard to capacity, range and availability of the small-cell backhaul network, delivering best-in-class connectivity at street level.

4G / 5G SMALL-CELL SON BACKHAUL

SMALL-CELL MW BACKHAUL

MW Hassle-Free
Small-Cell Carrier-
Grade Backhaul &
Broadband Access



StreetNode

Overview

StreetNode™'s innovative engineering addresses the complex problem of having a carrier-grade network down to city's streets, anywhere. This unique "all-in-one" solution is based on a revolutionary software-defined radio platform, which realizes connectivity service through overlay coverage and facilitation of street-level ("clutter") networking.

StreetNode™ operates in a variety of frequencies (26 / 28 / 32 / 42 GHz (ETSI) and 28 / 39 GHz (FCC)) and can be deployed on lamp posts or building walls, thus reducing the associated site costs significantly.

Controlled by an intelligent SON (Self-Organizing Network) Manager, which simplifies provisioning, ensures service availability and automates optimization, StreetNode™ accelerates service deployment and minimizes investment and operational complexity.

Benefits

- Optimum frequency reuse, exploiting interference isolation due to building blocks at the street level.
- Easy-to-get installation permission – StreetNode™ unobtrusively blends into the urban landscape.
- Software-defined radio, Point-to-Point (PtP) or Point-to-MultiPoint (PtMP) – a single piece of hardware, StreetNode™, can fit anywhere within the backhaul network, operating as a hub or terminal.
- "Zero-touch" service provisioning with advanced SON features – "plug and play" connection to the network in minutes via Bluetooth.

Highlights

- Innovative-design antenna featuring auto-alignment capability in azimuth and elevation planes.
- Robust, carrier-grade wireless networking at street level with advanced multipath mitigation techniques.
- Hardware installation and replacement convenience:
 - Flexible powering options (direct AC or DC and PoE).
 - Simple slip-fit mounting kit.
 - Replaceable power modules.

4G / 5G SMALL-CELL SON BACKHAUL

SMALL-CELL MMWAVE BACKHAUL

V-Band
High-Performance
Small-Cell
Backhaul and 5G
Fixed Wireless
Access



StreetNode V60-PTP

Overview

StreetNode™ V60-PTP, a ground-breaking series of auto-aligning Ethernet radio products, meets the multiple challenges of small-cell backhaul and 5G Fixed Wireless Access applications. These compact, all-outdoor radios operate in the V-Band (60 GHz) and eliminate the licensing burden in most countries, thus boosting the economic viability of the small-cell or GTTx applications business model.

With throughputs exceeding 1.6 Gbit/s and with full QoS and packet synchronization functionality, StreetNode™ 6250 PTP, part of the StreetNode™ V60-PTP series, satisfies 4G / 4.5G and even low to mid 5G backhaul requirements. Its small size and flexible powering options (direct AC or DC and PoE) ideally support installations onto street-level structures.

A unique mix of automation and "zero-touch" capabilities, through Bluetooth communication with a standard Android tablet, reduce rollout time and cost and safeguard against deployment errors.

Benefits

- Innovative installation and commissioning automations enable fast, cost-effective and error-free link deployment even at night-time, by non-specialized technicians.
- Provider bridge functionality, with three Gigabit Ethernet interfaces on the unit, allows implementation of complex network topologies.
- "Zero-touch" configuration and service provisioning, allow for "plug-and-play" connection to the network in minutes via Bluetooth.
- Unique direct AC powering simplifies deployment at street locations where DC power is not available.

Highlights

- Innovative integrated antenna with auto-alignment capability in the azimuth and elevation planes.
- Automatic frequency scanning for interference detection and channel selection.
- Up to 1.65 Gbit/s full-duplex Ethernet throughput for delivering MEF-compliant Carrier Ethernet services.
- Synchronous Ethernet and IEEE 1588v2 Transparent Clock support



An aerial photograph of a city at sunset. The sky is filled with dark, dramatic clouds, with a bright orange and yellow glow from the setting sun visible on the horizon. The city below is densely packed with buildings, many of which are illuminated with warm lights, creating a contrast with the cool tones of the twilight sky. The city lights are visible as a grid of small, glowing points across the urban landscape.

4G / 5G BACKHAUL & FRONTHAUL

The UltraLink™ innovative E-Band radios are designed to optimize network costs and provide the ultra-capacities demanded by 5G backhaul & fronthaul applications. For converged 4G / 5G HetNets backhaul & aggregation, the OmniBAS™ multi-Gigabit smart microwave portfolio of compact and nodal IDUs, combined with slim ODUs and all-outdoor radios, offers market-leading modulations (4096-QAM) and sophisticated traffic transport optimization mechanisms.

4G / 5G BACKHAUL & FRONTHAUL

5G BACKHAUL & FRONTHAUL

Ultra-High
Capacity for
5G Backhaul
& Fronthaul



UltraLink-GX80

Overview

UltraLink™-GX80 is a next-generation all-outdoor E-Band radio (71-76 / 81-86 GHz) that is ideally suited for use in demanding transport applications requiring fiber-like capacity and extended range. It offers both Ethernet and CPRI functionality on the same unit so that it can be used both in backhaul and fronthaul applications. Its embedded Carrier Ethernet Bridge enables deployment in complex network topologies – including protected rings – without requiring additional switching equipment. Offering ultra-high capacity, low latency and support for all packet synchronization options, it fully satisfies the rigorous backhaul requirements of 4G+ and 5G mobile networks.

UltraLink™-GX80 will support IP/MPLS and SDN to deliver the benefits of advanced networking / traffic engineering to the site.

When operating in CPRI mode, UltraLink™-GX80 can support up to three CPRI traffic streams and provide operators the cost efficient fronthaul transport needed to extend the reach of their C-RAN network where fibre is not available. UltraLink™-GX80's can be easily and quickly deployed on rooftops or telecommunication towers, taking up little space and minimizing site TCO.

Benefits

- Versatile solution for macro-cell backhaul and C-RAN fronthaul, as well as, all types of transport applications in metro and aggregation networks as a fiber substitute.
- Throughput, QoS and packet synchronization capabilities that satisfy the demanding 4G / 4G+ / 5G transport requirements.
- Support of native transport of ETH / CPRI traffic in the same unit.
- Deployment in complex networking architectures without the use of additional switching equipment.
- Operation in low-licensing cost spectrum.

Highlights

- Up to 10 Gbit/s full-duplex Ethernet throughput for delivering MEF-compliant Carrier Ethernet services.
- Support of advanced all-outdoor Radio Link Aggregation schemes for further enhancing capacity, availability and range.
- Support of up to two 10GbE interfaces / up to three CPRI interfaces (up to CPRI Option 7).
- Synchronous Ethernet and IEEE 1588v2 Transparent and Boundary Clock.
- "Zero-touch" configuration and service provisioning through Bluetooth communication with a standard Android tablet.
- IP/MPLS and SDN ready.

4G / 5G BACKHAUL & FRONTHAUL

ULTRA HIGH CAPACITY

E-Band
Multi-Gigabit
Technology for
Improved Network
Economics



UltraLink-FX80

Overview

UltraLink™-FX80 is a field-proven fully-outdoor, ultra-high capacity radio operating in the entire E-Band spectrum (71-76 / 81-86 GHz). Combining native Ethernet and CPRI functionality on the same unit, it can be used flexibly in both backhaul and fronthaul applications.

UltraLink™-FX80 is based on the latest mmWave transceiver technologies to offer significant system gain improvement and enable industry-leading link range at maximum capacity. Its capacity, low latency and support of all packet synchronization options fully satisfy the backhaul requirements of 4G and 5G mobile broadband technologies, while its advanced networking functionality enables deployment flexibility in complex network topologies – including protected rings – without requiring additional switching equipment.

Benefiting from small dimensions and multiple antenna and powering options, UltraLink™-FX80 can be deployed on rooftops, telecommunication towers, as well as, street-level lamp-posts, to provide transport for any possible application scenario within the context of a mobile network RAN or any other type of broadband network.

Benefits

- Versatile solution for macro / micro / small-cell backhaul / C-RAN fronthaul and all types of transport applications.
- Throughput, QoS and packet synchronization capabilities that satisfy even the most demanding 4G / 4G+ transport requirements.
- Support of native transport of Ethernet or CPRI traffic in the same unit.
- Unique additional direct-AC powering option simplifies deployment at street locations, where DC power is not available.
- Operation in low-licensing cost spectrum.

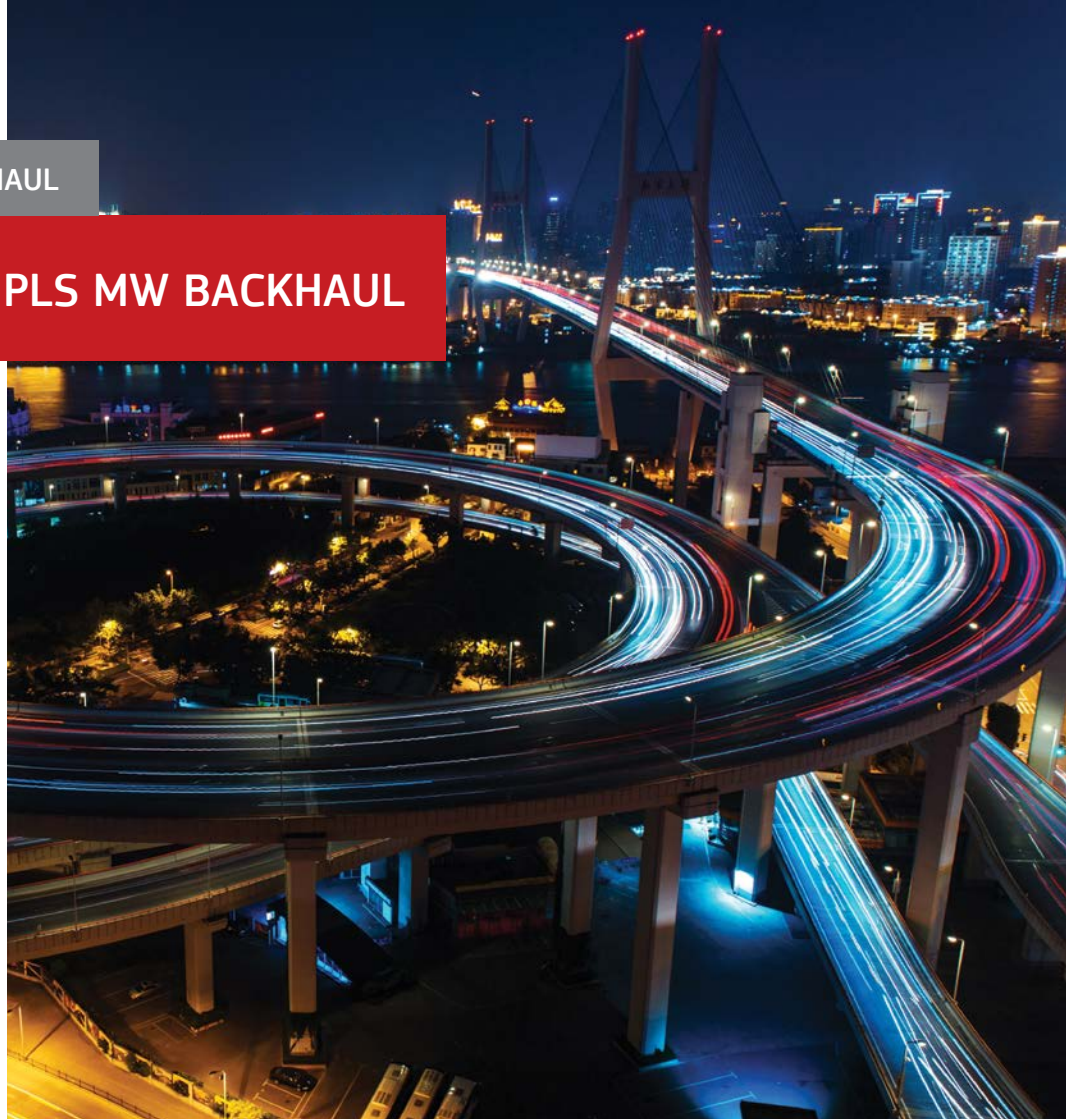
Highlights

- Up to 3 Gbit/s full-duplex Ethernet throughput for delivering MEF-compliant Carrier Ethernet services.
- High spectrum efficiency (with 256-QAM modulation).
- Leading-industry system gain.
- Support of three Gigabit Ethernet interfaces / one CPRI interface (CPRI Options 2 and 3).
- Synchronous ETH and IEEE 1588v2 Transparent & Boundary Clock.
- "Zero-touch" configuration and service provisioning through Bluetooth communication with a standard Android tablet.
- IP/MPLS and SDN ready.

4G / 5G BACKHAUL & FRONTHAUL

MULTI-GIGABIT IP/MPLS MW BACKHAUL

4096-QAM Packet
Transmission
and IP/MPLS
for Converged
HetNets Backhaul
& Aggregation



OmniBAS

Overview

OmniBAS™ is a multi-Gigabit smart packet MW portfolio for operators demanding a cost-effective and technologically-advanced solution for their backhaul network. OmniBAS™ ideally:

- implements the MW access & aggregation segments of 4G / 4G+ / 5G / heterogeneous networks,
- simplifies mobile backhaul by converging MW & IP/MPLS,
- extends the reach of fixed broadband to rural areas, and
- rapidly deploys IP communication and control links for utility companies and governmental agencies.

OmniBAS™ allows highly-flexible link configurations, from all-outdoor and split-mount at tail sites up to high nodal implementations for traffic aggregation sites, all from the same platform. CBAN (Converged Backhaul Aggregation Node), in particular, is a unique multi-technology solution allowing aggregation of Point-to-Point, Point-to-MultiPoint and E/V-Band links, and supporting a wide range of connectivity options (E1, SDH, GbE).

Benefits

- Future-proof capacity and functionality for 4G / 5G backhaul.
- Ready for the IP/MPLS world – single technology investment for advanced backhaul needs.
- Unmatched agility: all-outdoor and split-mount, higher-nodal hubs and ring configurations.
- Unique Outdoor Software-Defined Radio (OSDR) for flexible last-mile MW topologies.
- Unified HetNets backhaul with CBAN.

Highlights

- Multi-Gigabit IP PtP radio systems.
- IP/MPLS functionality.
- Channels up to 112 MHz.
- 10GbE interfaces.
- Nodal solution up to 8/12 radios from a single chassis 1RU / 2RU.
- Robust RF performance, transmit power boost with pre-distortion for increased link range and availability.
- Multi-carrier Radio Link Aggregation.

4G / 5G BACKHAUL & FRONTHAUL

IP/MPLS ALL-OUTDOOR MW PTP

Market-leading
4096-QAM
modulations in
112 MHz channels
from an ultra-slim
all-outdoor radio



OmniBAS-BX

Overview

OmniBAS™-BX is a the new-generation all-outdoor Point-to-Point MW radio addressing the operator need for advanced, cost-effective, multi-Gigabit IP transmission solutions. It meets advanced MW transmission requirements, being ideal for both 4G / 5G MW backhaul as well as a wide range of enterprise wireless connectivity applications.

Inside a new ultra-slim and low-weight closure, OmniBAS™-BX packs advanced radio and traffic processing functionality to demonstrate exceptional MW radio performance. OmniBAS™-BX is compatible with both OmniBAS™ split-mount and OmniBAS™-OSDR all-outdoor units, whilst, initially, it is introduced at 13, 18, 38 and 39 GHz frequencies.

Benefits

- Future-proof all-outdoor Gigabit IP MW solution for advanced MW transmission requirements.
- Ideal for 4G / 5G last-mile backhaul and all-outdoor small cells.
- Cost-efficient zero-footprint IP transmission for utilities, outside plants and rural communication networks.
- Support of XPIC 2+0 with no single point-of-failure.
- Complete range of accessories and integrated antennas.
- Environmentally-friendly.

Highlights

- Market-leading hitless adaptive modulation from 4-QAM to 4096-QAM in channels up to 112 MHz.
- Full-duplex throughputs 2.2 Gbit/s air rate over a single XPIC 112 MHz channel.
- Pre-Distortion (PD) for extended range support and high availability even at higher modulations.
- Multiple configurations (1+0 / 2+0 RLA / 1+1 HSB / XPIC 2+0).
- IP/MPLS functionality
- Ethernet ring protection (ITU-T G.8032v2).
- Part of the dual-band solution (along with UltraLink™-GX80) for 10 Gbit/s at longer ranges.



4G / 5G BACKHAUL & FRONTHAUL

ALL-IN-ONE MW ACCESS & BACKHAUL

Market-Leading
4096-QAM
Modulations
for IP MW PtP
Transmission
from an All-
Outdoor Software-
Defined Radio

OmniBAS-OSDR

Overview

OmniBAS™-OSDR is based on the unique Outdoor Software-Defined Radio (OSDR) platform to address the operator need for cost-effective, all-outdoor IP PtP transmission solutions. It supports market-leading modulations and employs advanced Ethernet and traffic processing functionality to demonstrate exceptional MW radio performance.

Being compatible with OmniBAS™ split-mount (IDU - ODU) links and also being manageable through the same powerful uniMS™ system, OmniBAS™-OSDR offers unparalleled deployment flexibility for a wide variety of applications such as backhauling of heterogeneous networks (HetNets).

Benefits

- Unique software-defined platform (OSDR) for flexible last-mile MW topologies.
- Ideal for last-mile backhaul and all-outdoor small cells.
- Cost-efficient zero-footprint IP transmission for utilities, outside plants and rural communication networks.
- Complete range of accessories and integrated antennas.

Highlights

- Market-leading hitless adaptive modulation from 4-QAM to 4096-QAM.
- Full-duplex throughputs (555 Mbit/s air rate and 880 Mbit/s line rate) over a single 56 MHz channel.
- Pre-Distortion (PD) for extended range support and high availability even at higher modulations.
- Flexible MW topologies (PtP and PtMP) from the same unit.
- Comprehensive set of Ethernet and QoS features.
- Ethernet ring protection (ITU-T G.8032v2).
- Support of wide range of MW frequencies (10.5 GHz to 42 GHz).





NETWORK MANAGEMENT SYSTEMS

uni|MS™, Intracom Telecom's Unified Management Suite, is a network lifecycle management platform serving the operational needs throughout the network's planning, rollout, optimization and maintenance phases with a rich set of application modules. It simplifies CSPs' multi-domain and multi-vendor environments, in both existing and SDN-based architectures, to deliver the required degree of automation, making it suitable for every application!

NETWORK MANAGEMENT SYSTEMS

NETWORK MANAGEMENT

Intelligence
in Action with
Automations
Serving Any
CSP's Operational
Strategy



Overview

uni|MS™, already trusted by Communication Service Providers, Public Safety Organizations and Utilities Companies around the world, automates management and monitoring tasks to eliminate error-prone and time-consuming manual efforts. This automation accelerates decision-making and brings in immediate OpEx savings through the disengagement of engineers that focus on network optimization.

Everything is included in one simple installation and no additional complex setup is required.

The entire Network lifecycle activities are carried out through a single, powerful and intuitive web-based user interface, enriched with Fault Status, Key Performance Indicator and Radio Planning overlays on network topology maps.

Benefits

- Illustrative visualization that boosts user experience.
- Unified management that simplifies operations.
- Unique Self-Organizing Networks (SON) capabilities to automate rollout.
- Web-based architecture allows access from anywhere.
- No vendor lock-in, third-party license, or support fees.
- No special training expenditures – short learning curve for users.

Highlights

- Compliance with the latest TMForum & ITU-T standards.
- SDN-ready with ONF & ETSI recommendations support.
- Powerful online / offline maps with status & KPI overlays.
- Scalability to support any network size.
- Advanced security compliance with strict NOC security guidelines.
- Standardized northbound interfaces for easy integration with third-party systems.
- Dual server & clustering for improved reliability.
- Ever-expanding feature set through modules.
- Application, technology and market solutions for OEM partners to quickly leverage, deploy and rebrand.

NETWORK MANAGEMENT SYSTEMS

INFRASTRUCTURE MANAGEMENT

An IoT
Management
Solution
for Building &
Base Station Sites



uni|MS Connected Site

Overview

With uni|MS™ Connected Site, infrastructure providers are offered excellent and timely reports to monitor energy consumption and quality. At the same time, they enjoy increased infrastructure reliability, through scheduled and automatic maintenance procedures, while they can constantly monitor the security of their sites as well as the local environmental conditions.

This IoT solution typically consists of a cloud-based deployment of uni|MS™, together with locally-installed demand / response controllers, smart energy measuring devices and various types of sensors. Controllers, energy meters and sensors can be provided as parts of a turn-key project, together with the required specialized services.

All supplied equipment is of high quality and industrial-grade but also highly compact and exceptionally reliable.

Benefits

- Energy monitoring & optimization: collect data from smart energy meters and sensors, to monitor voltage, power and environmental conditions, and optimize energy consumption.
- Fuel-level monitoring: improve reliance on power provided from generators & minimize fuel theft through fuel tank monitoring.
- Security surveillance: continuously monitor doors, motion detection and cameras.
- Power generator monitoring: improve efficiency and operational cost of generators.
- Battery cells maintenance: improve batteries reliability and prolong their lifecycle.
- Environmental monitoring: investment protection through continuous monitoring of temperature, humidity and smoke.

Highlights

- Cloud-based deployment
- Scalability: monitor 40,000 sites with ease.
- Expandability: modular application that can be used in multiple other applications.
- Unified monitoring: unify monitoring of all supplied equipment from a single pane of glass.
- Reliability: server geo-redundancy with automatic data synchronization.

SUPPORT



ASSISTANCE



FEEDBACK



**TECHNICAL
SUPPORT**





24/7 SERVICE

CUSTOMER SUPPORT

Intracom Telecom provides a complete field services portfolio aiming at IT systems, networks, terminals, electromechanical & cabling infrastructures, etc., satisfying even the most demanding customer. Services are delivered round-the-clock (24/7) with the highest quality and professionalism, and with full commitment to customer's expectations. Intracom Telecom's network rollout services apply for corporate and retail CPEs, wireless access and backhaul, smart energy grid/metering, etc. The company's multi-vendor technical support enables significant cost savings and risk-free results while maximizing system performance.



CONTACTS

CUSTOMER SUPPORT

FIELD SERVICES

Turn-Key Field
Services of
Assured
High-Quality &
Expertise



Field Services

Overview

Expertise in field service and strong regional presence are key factors for the network managers in order to assure consistent results and simultaneously get the most out of their existing network infrastructure.

Intracom Telecom responds with a complete field services portfolio that will meet the most stringent criteria, including:

- Spares Management
- On-site Installation & Commissioning
- Preventive Maintenance
- Helpdesk
- Field Technical Support.

Support services are delivered round-the-clock (24/7) with the highest quality and professionalism, and with full commitment to customer's expectations.

With strong focus on results, Intracom Telecom secures the customer's core business services and keeps users' perception for quality and reliability unaltered.

High Specialization

- Strict commitment to quality standards.
- Cost & time control.
- Risk-free results, with assured quality.
- Turn-key project execution.
- Spare parts management.
- Shipment logistics.

Rapid Response & Restoration of Service

- Minimized downtime during field maintenance works.
- Rapid reaction to incident reports.
- Temporary & permanent service restoration.

Maximized Systems Performance

- Adherence to standards.
- Getting most out of infrastructure value.
- Total customer satisfaction.

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