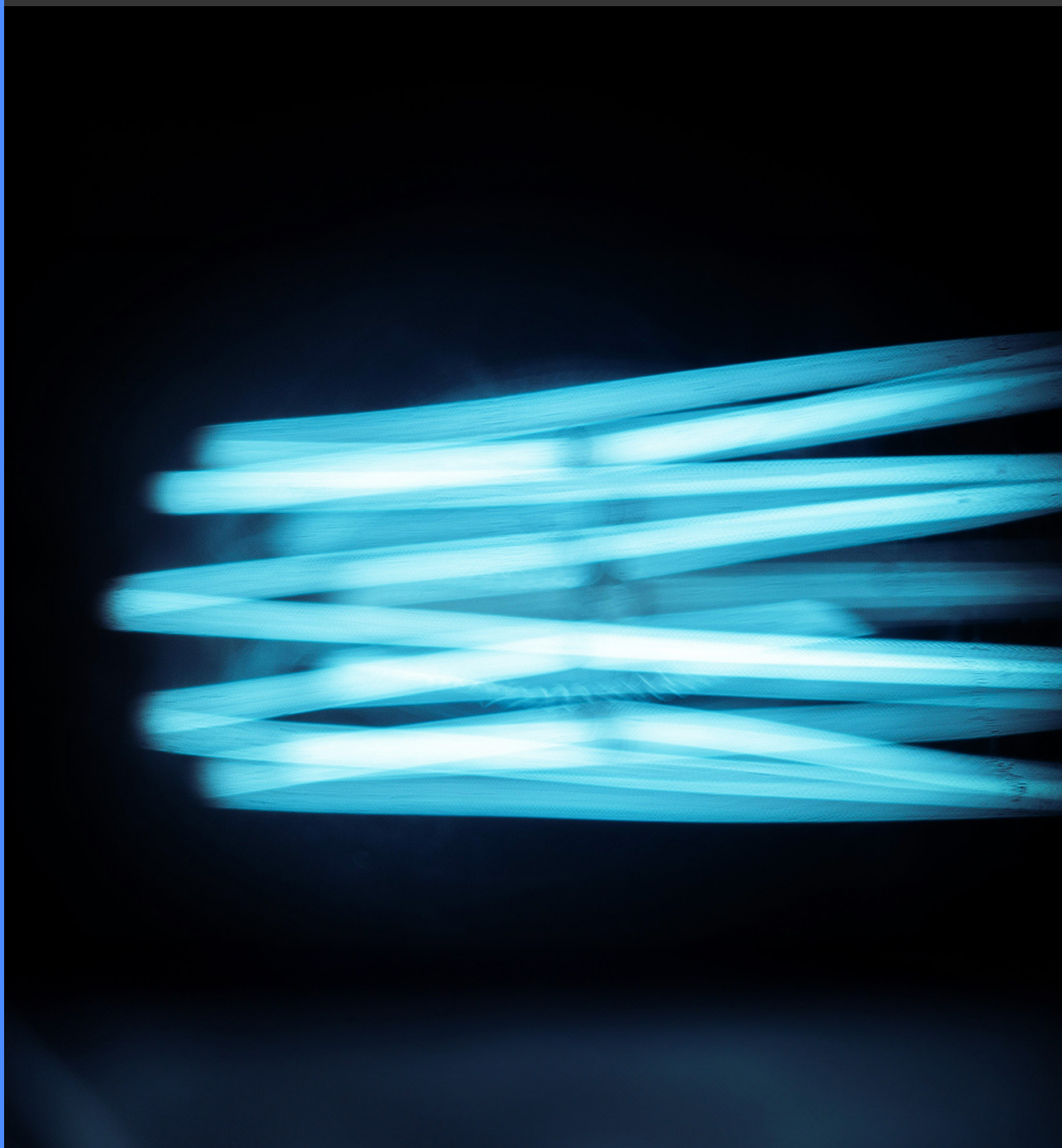
exatronic

Solutions Brochure:

Passive Optical LAN



Hexatronic

Hexatronic enables non-stop connectivity for communities worldwide. We partner with customers across five continents – from telecom operators to network owners – offering leading-edge fiber technology and solutions for any and all conditions.

Together, the companies in Hexatronic Group develop products and world-class solutions that create development opportunities for people across the world.

Hexatronic offers a complete range of passive fiber optic infrastructure. We design, develop, manufacture, and market our own products, solutions, and services to work together optimally. Also, we represent leading worldwide manufacturers of specialized tools and equipment.

Owning our complete production chain gives us great flexibility and enables us to respond quickly to unique customer requests. With innovation, vast technical knowledge, a high level of service, and complete commitments, we work every day to improve our offering.

World class innovative design and development

We always strive to be a step ahead of the market needs, and to constantly enhance our products' properties. That's why we continuously develop products, solutions, processes, and methods to improve network performance for the customers and reduce the environmental footprint.

Fully flexible – and confident

With our total control over the production chain, we safeguard capacity – and have the flexibility to customize production for unique customer requests.

We're so confident with our well-considered product range – with its high quality and maximum compatibility – that we offer extended warranties.

Adding the keys to maximize your outcome

There is a massive shortage of people who know how to optimally design, project manage and install fiber optic networks.

That's why we offer customized training programs, field support, design and project management services.

hexatronic.com

Passive Optical LAN

Hexatronic's partnership with leading global vendors allows us to offer full end to end solutions for passive optical LAN (POL) technology. By collaborating with leading global technology partners Nokia and RUCKUS Networks, Hexatronic is able to deliver integrated fiber and Wi-Fi in-building/campus connectivity:

Light Speed Technology

Fiber passive optical networking (PON) technology harnesses the power of light to provide future-proof performance for thousands of users and devices. Once deployed, the same infrastructure can support all services and transition smoothly to 10 Gb/s (XGS-PON) as demand grows. Fiber is inherently hard to intercept, has no crosstalk and is unaffected by electromagnetic interference. Built-in encryption and centralized network intelligence ensure high levels of security and availability

- High performance
- Low latency
- High reliability and security

Low Operating Cost

Using Quillion, Nokia's highly efficient PON chipset, Optical LAN cuts energy consumption by up to 40% compared to a traditional LAN. Fiber is by far the most sustainable connectivity option as it uses passive technology and, once deployed, has a lifespan of 50+ years.

The embedded Energy Efficient Ethernet (EEE) feature in RUCKUS Networks APs and switches is designed to minimize power usage during periods of low data activity or when the network is idle. This helps reduce power consumption, heat dissipation, and noise.

- 40% lower energy consumption
- Circular economy design

Less Infrastructure

As a passive technology with a reach of 20 km, Nokia Optical LAN doesn't need repeaters and uses far less cooling equipment and cabling than a traditional LAN solution. This equates to up to 90% smaller equipment footprint. The single pane of glass management of all optical network terminals (ONTs) and services saves time and money.

- 90% smaller equipment footprint
- 20 km reach
- Simple, centralized control

Lowest Total Cost of Ownership

All this leads to lower costs thanks to savings in CAPEX, maintenance, power, space, management, service contracts, testing, certification and upgrades. As a single network for all services and devices and the unlimited potential of fiber scalability, Passive Optical LAN has up to 50% lower total cost of ownership than a traditional LAN.

- 50% lower TCO
- A single network for all services and devices
- Unlimited potential of fiber infrastructure

Seamless Connectivity and Further Energy Savings

Ruckus Networks range of Wi-Fi access points (APs) integrate seamlessly with Hexatronic and Nokia POL architecture offering a full end to end solution for all installation environments. Ruckus Networks' range includes tailored options for residential, retail, enterprise, hospitality, public spaces, mining and harsh environment.

Hexatronic Fiber Solutions

Building a fiber network is a complex task. Simplify by getting everything you need from one supplier. Enjoy Hexatronic's end-to-end solution with full compatibility and field support included. The complete system setup also brings predictability in delivery and the benefit of one point of contact.

By evaluating the Total Cost of Ownership (TCO) when planning your fiber network project, you can make decisions where they matter the most. With 85% of the total project cost referring to labour, choosing easily installed solutions for a quick rollout is vital to bring down costs, but there are more things to consider.

Hexatronic creates more sustainable solutions by miniaturising our products, using recycled material, and choosing renewable energy in production. Our carbon footprint calculations give you insights into which products to go for to reduce the environmental impact of your next project.

Contact Hexatronic for more information on products or solutions that best fit your network requirements.

Traditional LAN architecture versus Optical LAN

Optical LAN is a better way to structure your network

An Optical LAN architecture provides tremendous improvements in the design and deployment of networks. It covers distances up to 20 km which is 200x more than with traditional copper-based LAN equipment. Particularly advantageous for multi-floor buildings and extended campus networks where mid-span switching equipment is eliminated entirely.

Key advantages include

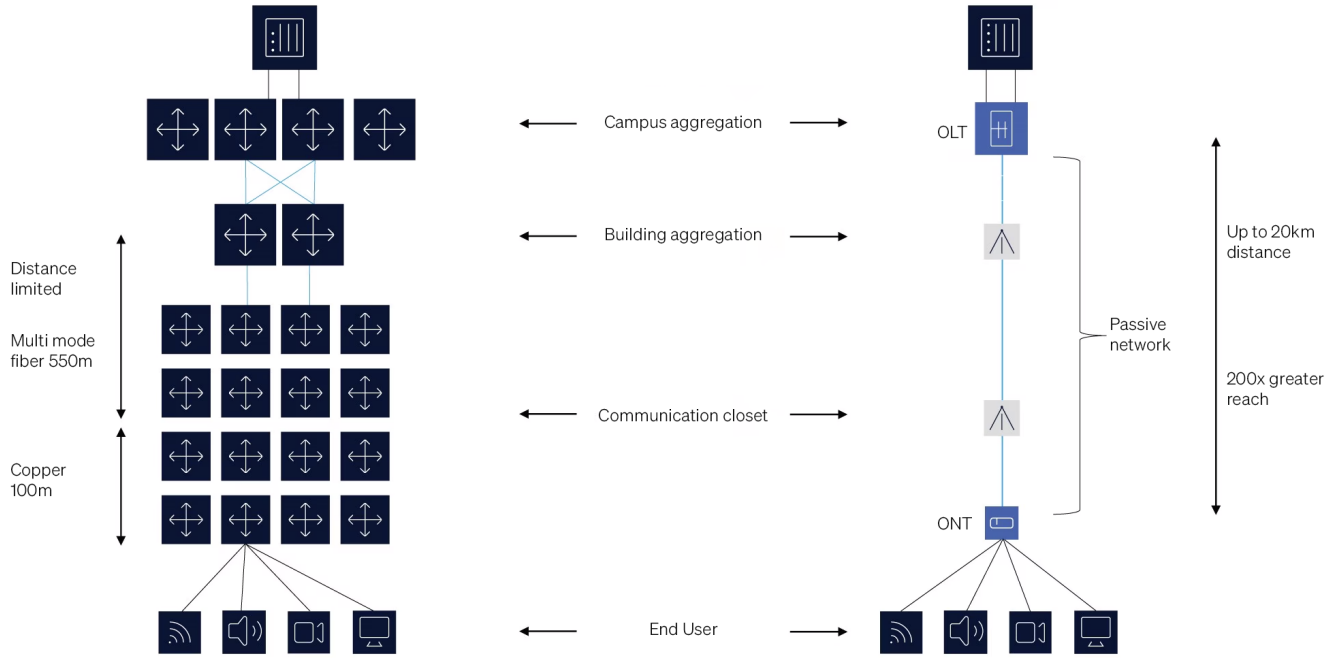
- Simple and passive fiber distribution network
- No need for a telecommunications closet or a switch every 100 meters
- Less complex with reduced operational footprint
- Substantial energy savings

Enlighten your LAN with cutting-edge technology that is both powerful and sustainable

Passive Optical LAN helps enterprises like businesses, governments, airports, logistics, warehouses, factories, hotels, real estate developers, hospitals, mining and universities address evolving service demands with outstanding network performance:

- At the speed of light: experience unparalleled performance with 10 gigabit speeds.
- Light on energy: significantly reduce power consumption, making your operations more sustainable and cost-effective.
- Light on infrastructure: simplify your network with minimal hardware requirements, reducing complexity and enhancing reliability.
- Light on TCO: lower your Total Cost of Ownership through efficient design and reduced maintenance, maximising your return on investment.

Our solution can help your organisation, too. With an Optical LAN, you can deliver a better experience, lower your costs and get value from your network for decades to come.



Cloud Managed Network Using RUCKUS One™

Manage your entire network from one unified platform

RUCKUS One™ is a cloud-based network management platform that can be used to manage both RUCKUS Wi-Fi access points and switches in addition to Nokia's optical LAN solutions* through a single dashboard. This integration allows for a unified, AI-driven management experience across the entire network.

Key advantages include

- Unified management from one platform
- AI-Driven analysis and management
- Enhanced network assurance and improved service delivery
- Business intelligence tools for monitoring key network performance parameters

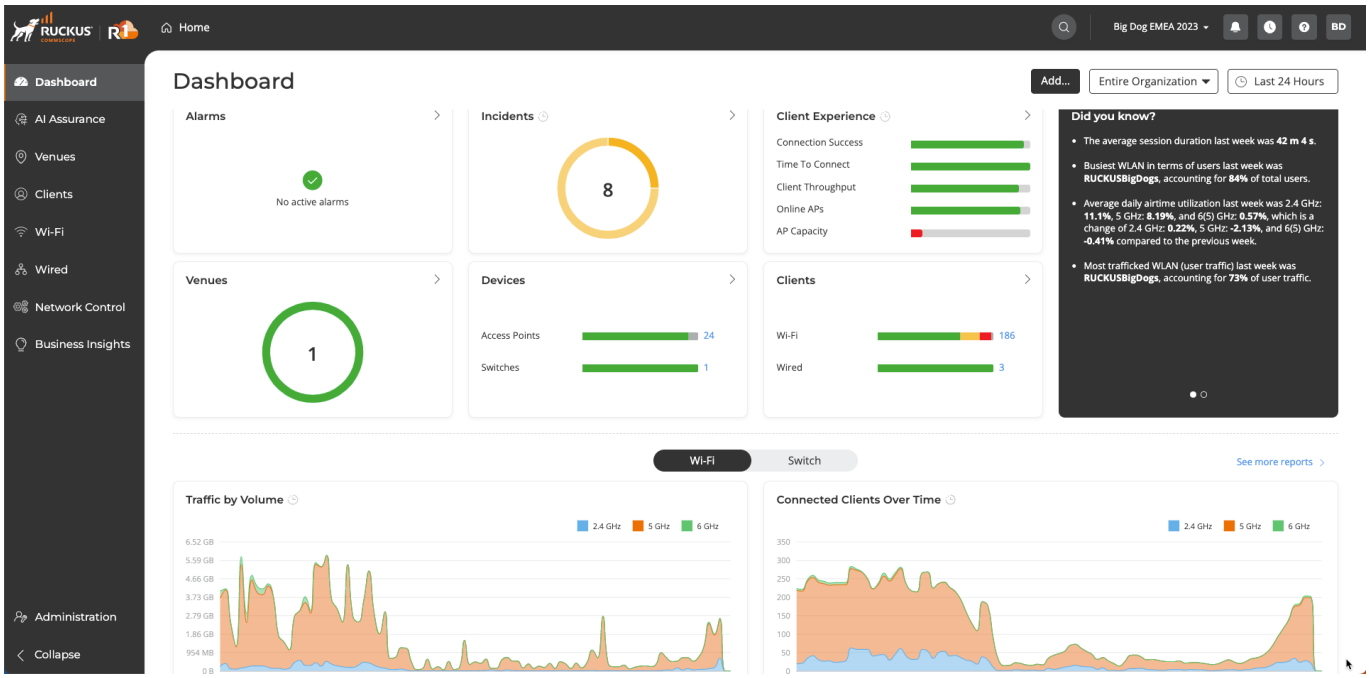
Bring AI-powered management to your converged network

RUCKUS One™ simplifies the complexity that encumbers modern networks. Easy to use, easy to expand, with flexible configuration that allows you to manage and optimize multi-access networks simply and securely.

Incorporating state-of-the-art AI and patented machine learning (ML) algorithms, RUCKUS One™ enables IT to react quickly to incidents and prevent them from becoming service-affecting problems. RUCKUS One™ even classifies issues by severity, so IT knows where to focus first. Unplanned downtime drops, service levels rise. AI-generated recommendations within RUCKUS One™ optimize your network automatically, improving key performance indicators (KPIs) and, ultimately, delivering the best end-user experience.

With RUCKUS One™, even a lean IT team can easily provision, manage, optimize and troubleshoot a high-performance, multi-access network through a single web dashboard or native mobile application.

*Roadmap 2025



Make your LAN 'Green' with POL technology

Make your LAN 'Green' with Passive Optical LAN

The IBM Global Technology white paper 'Smarter Networks with Passive Optical LANs', estimates network owners can make savings of up to 46% on capital costs in addition to a 58% reduction in operational expenses. This includes a 27% reduction in energy cost and a remarkable 78% reduction in cooling costs. Savings in the total cost of ownership over a 5 year period is expected to be at least 38%. The culmination of energy efficiency, lower cooling demands, climate-neutral operations, miniaturised products and the reduction in associated transportation fees and carbon emissions qualifies Passive Optical LAN as a true green technology solution.

Key advantages include

- Significantly reduced cooling costs
- Reduced capital expenditure
- Lower energy usage
- Miniaturised product provides reduced carbon emissions and lower transportation fees
- Leverage Hexatronic's climate neutral operations

Future Proof your Network

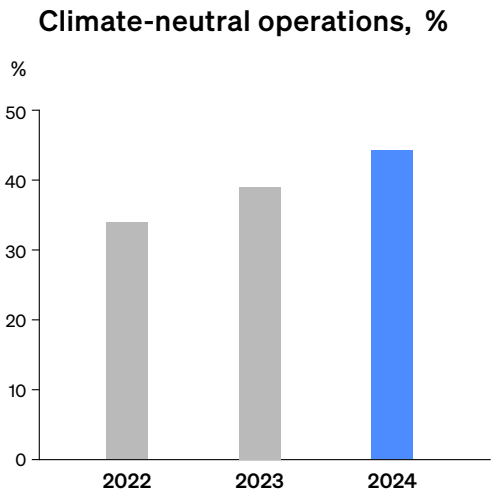
The partnership between Nokia and Hexatronic ensures the network you build will be future proof and scalable. The Nokia Lightspan MF is the industry's first family of software-defined fiber access nodes designed to provide non-blocking delivery of massive scale, high-speed broadband services with 25G PON, 50G PON and beyond.

As broadband shifts from fiber-to-the home to Fiber for Everything, you need a platform that will enable you to connect consumers, businesses, industry 4.0, mobile sites, wholesale and smart cities - all on a single access infrastructure.

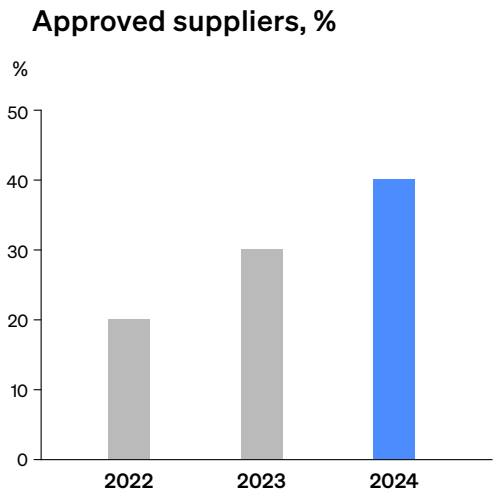
Bring future capabilities without compromise. Start with a premium platform that will last you for decades to come, as you progressively increase capacity in your existing fiber network. Eliminate costly upgrades to cabling, distributed switches and other equipment.

Install a high performance, future proof and green LAN technology for your network today with Hexatronic.

Share of Climate Netrual Energy and Sustainability Approved Suppliers through Hexatronic Group operations 2022-2024



Share of climate neutral energy



Share of sustainability-approved suppliers

Hexatronic Annual and Sustainability Report 2024

Passive Optical LAN - IBM Case Study

Total Cost of Ownership Study

A case study by IBM evaluated the total cost of ownership over the first year of a typical LAN installation compared with a Passive Optic LAN installation. The model was based on a typical mid-sized building with four stories, two IDF/Risers per floor, 480 ethernet ports per floor and a 20Gbps uplink capacity.

Savings in both CAPEX and OPEX

The model illustrated savings in both CAPEX and OPEX. While a reduction in operational expenses is expected due to the passive nature of optical networks, the true benefits of POL are revealed in a reduction in cost across all facets of the network supply, installation, maintenance and operation.

Capital Costs	Traditional LAN [US$]	Passive Optical LAN [US$]	Savings [US$]	Savings [%]
Electronics (core)	156,900	127,300	29,600	18%
Electronics (access)	510,800	227,500	283,300	55%
Cabling	403,200	220,300	182,900	45%
Management Software	14,800	5,400	9,400	63%
Total CAPEX	**1,085,700**	**580,500**	**505,200**	**46%**
Support Expenses [Year 1]	25,500	15,900	9,600	37%
Energy Cost [Year 1]	54,900	17,400	37,500	68%
Total OPEX [Year 1]	80,400	33,300	47,100	58%
Total Expenses [Year 1]	**1,166,100**	**613,800**	**552,300**	**47%**

Lower equipment power consumption

Requires less cooling

Higher passive technology utilisation

* Study from IBM - Mid Size Building with 4 floors (2 x IDF/Riser per floor). 480 ethernet ports per floor. 20Gbps uplink capacity

Optical Line Terminals

Optical Line Terminals

The Nokia Lightspan MF is the industry's first family of software-defined fiber access nodes designed to provide non-blocking delivery of massive scale, high-speed broadband services, ready for 25G PON, 50G PON and beyond.

As broadband shifts from fiber-to-the-home to fiber for everything, you need a platform that will enable you to connect consumers, businesses, Industry 4.0, mobile sites, wholesale and smart cities - all on a single access infrastructure.

Lightspan MF Platform

2, 8 and 14 line card OLT chassis

- True next generation capacity
- 25, 50, 100G - ready for future upgrades
- Six-nines availability
- 20% greener than the industry average
- Open API for anyone to use
- Cloud controllable
- Agile to test and deploy
- Multi-PON technology line cards
- DC and AC powering options

Applications

The Lightspan MF platform range of optical line terminals (OLTs), form the core component of any POL network. Using passive connectivity each OLT can connect up to 14,000 network terminals from one centralised and low power device. Central management of your entire network is possible over even the most expansive campuses.

Design

The Lightspan MF platform offers a hardened chassis for installation in the central office, building basements, outside plant cabinets or data centres. Each chassis is scalable to accept one or more LT cards to allow for network growth over time.

Colour

Dark grey

Article number	Article name	LT Card Capacity	NT Card Capacity	Maximum ONT Capacity [1:64]	Dimensions WxHxD [mm]
MF-2	Nokia Lightspan MF-2	2	2	2048	485×89×247
MF-8	Nokia Lightspan MF-8	8	8	8192	485×355×287
MF-14	Nokia Lightspan MF-14	14	14	14336	485×563×288
LGLT-D	GPON Line Card, 16 Port	-	-	1024	388×24×204
LWLT-C	Universal GPON/XGSPON/25GPON Line Card, 16 Port (8 at 25G) Multi-Pon Co-existence (GPON/XGSPON)	-	-	1024	388×24×204
LMNT-B	800Gb/s Switching Management Module for MF-2 Platform, Dual QSFP28 Cages	-	-	-	-
LBNT-A	2.0Tb/S Switching Management Module for MF-8 Platform, Dual QSFP28 Cages	-	-	-	-
LANT-A	3.2Tb/s Switching Management Module for MF-14 Platform	-	-	-	-
LTIO-A	Dual QSFP28 Cage Uplink Module for MF-14 Platform	-	-	-	-
3FE 47581 AD	XGS/GPON SFP-DD B+ (I-temp) OLT MPM Gen 2	-	-	64	-
3FE 47581 BD	XGS/GPON SFP-DD C+ (I-temp) OLT MPM Gen 2	-	-	64	-
3FE 47581 CM	XGS/GPON SFP-DD C++ (I-temp) OLT MPM Gen 2	-	-	64	-
3FE 47548 AD	XGS Dual Rate SFP+ N1 (I-temp) OLT with reset and RATE_SEL	-	-	64	-
3FE 47548 BH	XGS Dual Rate SFP+ N2 (I-temp) OLT with reset and RATE_SEL	-	-	64	-
3FE 47548 CO	XGS Dual Rate SFP+ E1 (I-temp) OLT with reset and RATE_SEL	-	-	64	-
3FE 53441 AC	GPON SFP B+ (I-temp) OLT	-	-	64	-
3FE 53441 BC	GPON SFP C+ (I-temp) OLT	-	-	64	-
3FE 53441 FC	GPON SFP C++ (I-temp) OLT	-	-	64	-
3FE 49759 AA	QSFP28/QSFP+ to SFP28/SFP+ adapter	-	-	-	-
3FE 73400 AC	100Gbase-LR4 QSFP28 (I-temp) Duplex LC	-	-	-	18.5×12.9×71.0
3FE 49760 AA	25Gbase-LR SFP28 (I-temp) Duplex LC	-	-	-	13.9×12.3×56.4
3FE 62600 AA	10GBase-LR SFP+ (I-temp) Duplex LC	-	-	-	13.9×11.9×56.5

*Contact Hexatronic for additional SFP options , power supplies and accessories.

Optical Network Terminals

Optical Network Terminals

Partnering with Nokia, Hexatronic offer a range of ONTs that integrate into our passive optical LAN architecture. ONTs are the network terminal presented at your client and equipment locations, residential premises and edge locations to convert the optical signal to an electrical signal for devices such as Wi-Fi APs, workstations, cameras and other equipment. A variety of ONTs are available ranging from full gateways for residential applications, through to wallplates and SFP ONTs suitable for hospitality. Both traditional GPON and XGSPON versions are available with or without POE functionality.

Optical Network Terminals - Bridge

Bridge ONTs for GPON and XGSPON networks

Features

- Low power consumption
- Compact design
- Desktop or wall mountable
- Simplest installation

Application

Bridge ONTs are designed as a simple interface between the PON network and a clients LAN. The device provides a data connection and works with clients existing routers, switches, access points and other equipment. Low power consumption, no wasted features and minimal space requirements allow for a simple integration into a business or residents existing equipment without the risk of conflicts.

Design

Bridge ONTs are designed to be compact and take up minimal space. The simple design allows for quick and easy installation and allows for the greatest flexibility when connecting to an existing network.

Colour

Black/White

Article number	Article name	PON Technology	Ports	Temp Rating [°C]	Dimensions WxHxD [mm]
XS-010X-R	Nokia XGSPON Bridge ONT	XGSPON	1×10GbE	-5 to 45	135×135×30
G-010G-R	Nokia GPON Bridge ONT	GPON	1×1GbE	-5 to 45	82×89×27

Optical Network Terminals - SFP

Small form factor pluggable GPON and XGSPON ONTs

Features

- Extremely compact
- Direct connection to Ethernet switches, APs, CPEs, wireless backhaul equipment
- MSA footprint
- Convert Ethernet devices into PON devices

Application

Small Form-factor Pluggable (SFP) ONTs are extremely compact, low power and draw power from the device they are plugged into. This makes them well suited to applications such as Ruckus Wi-Fi APs in hotel rooms, or direct connection into an outdoor Ruckus Wi-Fi AP. They can also be used to convert standard or industrial switches to PON uplink allowing for integration into industrial networking applications. As they adhere to the MSA agreement, they can be utilised anywhere a that requires an Ethernet SFP.

Design

Nokia's SFP ONTs are designed to the MSA agreement and feature passive cooling and direct powering from the SFP port.

Colour

Silver

Article number	Article name	PON Technology	Temp Rating [°C]	Dimensions WxHxD [mm]
XS-010S-Q	Nokia XGSPON SFP ONT	XGSPON	-40 to 70	16×13×88
G-010S-Q	Nokia GPON SFP ONT	GPON	-5 to 60	14×12×72

Optical Network Terminals - Business Gateways

Business Gateway ONTs for GPON and XGSPON networks

Features

- Power over Ethernet capabilities
- Hardened chassis (excl G-040P-Q)
- Extended temperature range (excl G-040P-Q)
- High speed multiport switching
- Multipurpose ports for additional functionality
- SC/APC fiber connection
- Upgrade path secure with SFP (excl G-040P-Q)

Application

Business gateways are suitable for installation in commercial properties, around public spaces such as shopping centres and stadiums, field cabinets, mine site accommodation, or for distributed security, wireless or DAS networks. The included POE functionality allows for remote powering of POE devices without additional electrical wiring considerations. Voice services can be delivered on select models via integrated FXS POTS ports.

Design

Business gateways are designed with longevity in tough environments. With wide operating temperatures and hardened chassis, these units are suitable for installation where physical damage or harsh environments are expected (excludes G-040-P). Wi-Fi functionality including mesh networks and automatic hand off in large spaces can be delivered via our range of Ruckus Networks enterprise grade, cloud managed wireless access points.

Colour

Black

Article number	Article name	PON Technology	Physical Ports	POE Grade	POE Budget	IP Rating	Temp Rating [°C]	Dimensions WxHxD [mm]
U-080XP-P	Nokia XGSPON 8 Port Business Gateway	XGSPON/ GPON	1 × 10GbE 7x 2.5GbE RS485/232	8 x Type 3	240w	IP40	-40 to 70	85×226×175
U-490XP-P	Nokia XGSPON 9+4 Port Business Gateway	XGSPON/ GPON	1x 10GbE 8x 1GbE 4x POTS	1 x Type 3 8 x Type 2	120w	IP30	-5 to 60	142×37×208
U-050XP-P	Nokia XGSPON 5 Port Business Gateway	XGSPON/ GPON	1x 10GbE 4x 1GbE	1 x Type 3 4 x Type 2	120w	IP30	-5 to 65	210×170×34
G-040P-Q	Nokia GPON 4 Port Business Gateway	GPON	4x 1GbE	4 x Type 2	68w	-	-5 to 45	111×38×135

Optical Network Terminals - Residential Gateways

Residential Gateway ONTs for GPON and XGSPON

Features

- Wi-Fi easy mesh (Wi-Fi models only)
- Triple play capability
- Supports voice services through POTS ports
- Built in multiport switch
- Sleek appearance
- True one box solution
- NAT/Firewall
- Built in switching functionality
- Wall or desktop mounting
- Standard SC/APC fiber connection

Application

Residential gateways are employed in homes and private residences to provide triple play services (voice, data and video) in one unit. The standard operating temperature of -5 to +45°C is well suited for residential applications.

Design

Residential gateways are designed with appearance and functionality in mind. Integrating Wi-Fi, switching and other features into a stylish and pleasant appearance.

Colour

White

Article number	Article name	PON Technology	Physical Ports	Wi-Fi Generation	Temp Rating [°C]	Dimensions WxHxD [mm]
XS-2426X-A	Nokia XGSPON 4+2 Port Wi-Fi 6 Residential Gateway	XGSPON	1 × 10GbE 3 × 1GbE 2 x POTS	Wi-Fi 6	-5 to 45	85×226×175
XS-240X-A	Nokia XGSPON 4+2 Port Residential Gateway	XGSPON	1 × 10GbE 3 × 1GbE 2 x POTS	-	-5 to 45	147×208×37
G-1426G-A	Nokia GPON 4+1 Port Wi-Fi 6 Residential Gateway	GPON	4 × 1GbE 1 x POTS	Wi-Fi 6	-5 to 45	197×145×32
G-240G-F	Nokia GPON 4+2 Port Residential Gateway	GPON	4 × 1GbE 2 x POTS	-	-5 to 45	111×135×38

Wireless Access Points

Wireless Access Points

The RUCKUS Wi-Fi product line offers a broad range of indoor and outdoor access points (APs) with embedded internet of things (IoT) connectivity to fit any budget, performance requirement or deployment scenario. Utilising the RUCKUS One™ cloud platform, your entire network can be managed from an AI-driven network assurance and business intelligence platform that enables enterprises to easily manage a converged network, make better business decisions, and deliver exceptional user experiences. With flexible subscription and deployment models, RUCKUS One™ enables you to deploy future-proof networks simply, reliably, securely and at cloud-scale.

Indoor Access Points

Wi-Fi Access Points for indoor deployment

Features

- Beamflex®+
- Cloud managed
- Simple installation
- Ruckus AI service management
- IoT connectivity
- Latest generation Wi-Fi technologies

Application

Wireless access points provide access to Wi-Fi for users to seamlessly access roaming data and other services without the need to physically connect. A range of indoor access points are available from basic small or home office APs, through to high throughput, high user count APs for corporate offices and stadiums. Tailored options are available for private accommodation such as hotels.

Design

Deploying multiple high gain polarised antenna elements and patented software, these sleek and discreet access points integrate seamlessly into indoor environments.

Colour

White

Article	Article name	Ethernet Ports	MU-MIMO	Concurrent Users	Radio chains: streams
RUCKUS R770	High-end Wi-Fi 7 (802.11be) tri-concurrent AP	1x 10 GbE 1x 1 GbE	Yes	1024	6GHz: 2×2:2 5GHz: 4×4:4 2.4GHz: 2×2:2
RUCKUS R760	High-end Wi-Fi 6E (802.11ax) tri-concurrent AP	1x 10 GbE 1x 1 GbE	Yes	1536	6GHz: 4×4:4 5GHz: 4×4:4 2.4GHz: 4×4:4
RUCKUS R850	High-end Wi-Fi 6 (802.11ax) dual-concurrent AP	1x 5 GbE 1x 1 GbE	Yes	1024	5GHz: 8×8:8 2.4GHz: 4×4:4
RUCKUS R750	High-end Wi-Fi 6 (802.11ax) dual-concurrent AP	1x 2.5 GbE 1x 1 GbE	Yes	1024	5GHz: 4×4:4 2.4GHz: 4×4:4
RUCKUS R670	Mid-range Wi-Fi 7 (802.11be) tri-concurrent AP	1x 5 GbE 1x 1 GbE	Yes	768	6GHz: 2×2:2 5GHz: 2×2:2 or 4×4:4 (dual band mode) 2.4GHz: 2×2:2
RUCKUS R560	Mid-range Wi-Fi 6E (802.11ax) tri-concurrent AP	1x 5 GbE 1x 1 GbE	Yes	1536	6GHz: 2×2:2 5GHz: 2×2:2 2.4GHz: 2×2:2
RUCKUS R650	Mid-range Wi-Fi 6 (802.11ax) dual-concurrent AP	1x 2.5 GbE 1x 1 GbE	Yes	512	5GHz: 4×4:4 2.4GHz: 2×2:2
RUCKUS R550	Mid-range Wi-Fi 6 (802.11ax) dual-concurrent AP	2x 1 GbE	Yes	512	6GHz: 2×2:2 5GHz: 2×2:2 2.4GHz: 2×2:2
RUCKUS R350	Entry-level Wi-Fi 6 (802.11ax) dual-concurrent AP	1x 1 GbE	-	256	2×2:2
RUCKUS H550	Wall-mount Wi-Fi 6 (802.11ax) dual-concurrent AP	5x 1 GbE	-	512	2×2:2
RUCKUS H350	Wall-mount Wi-Fi 6 (802.11ax) dual-concurrent AP	3x 1 GbE	-	512	2×2:2

Outdoor Access Points

Wi-Fi access points for outdoor deployment

Features

- Beamflex®+
- Cloud managed
- Robust IP rated chassis
- Ruckus AI service management
- IoT connectivity (exlcudes T350C & T670)
- Latest generation Wi-Fi technologies

Application

Wireless access points provide access to Wi-Fi for users to seamlessly access roaming data and other services without the need to physically connect. A range of outdoor access points is available for everything from basic Wi-Fi connectivity through to powering devices such as cameras. These devices are particularly suited to high volume outdoor Wi-Fi networks found in schools, universities, entertainment precincts and venues, stadiums, business campuses and outdoor retail precincts.

Design

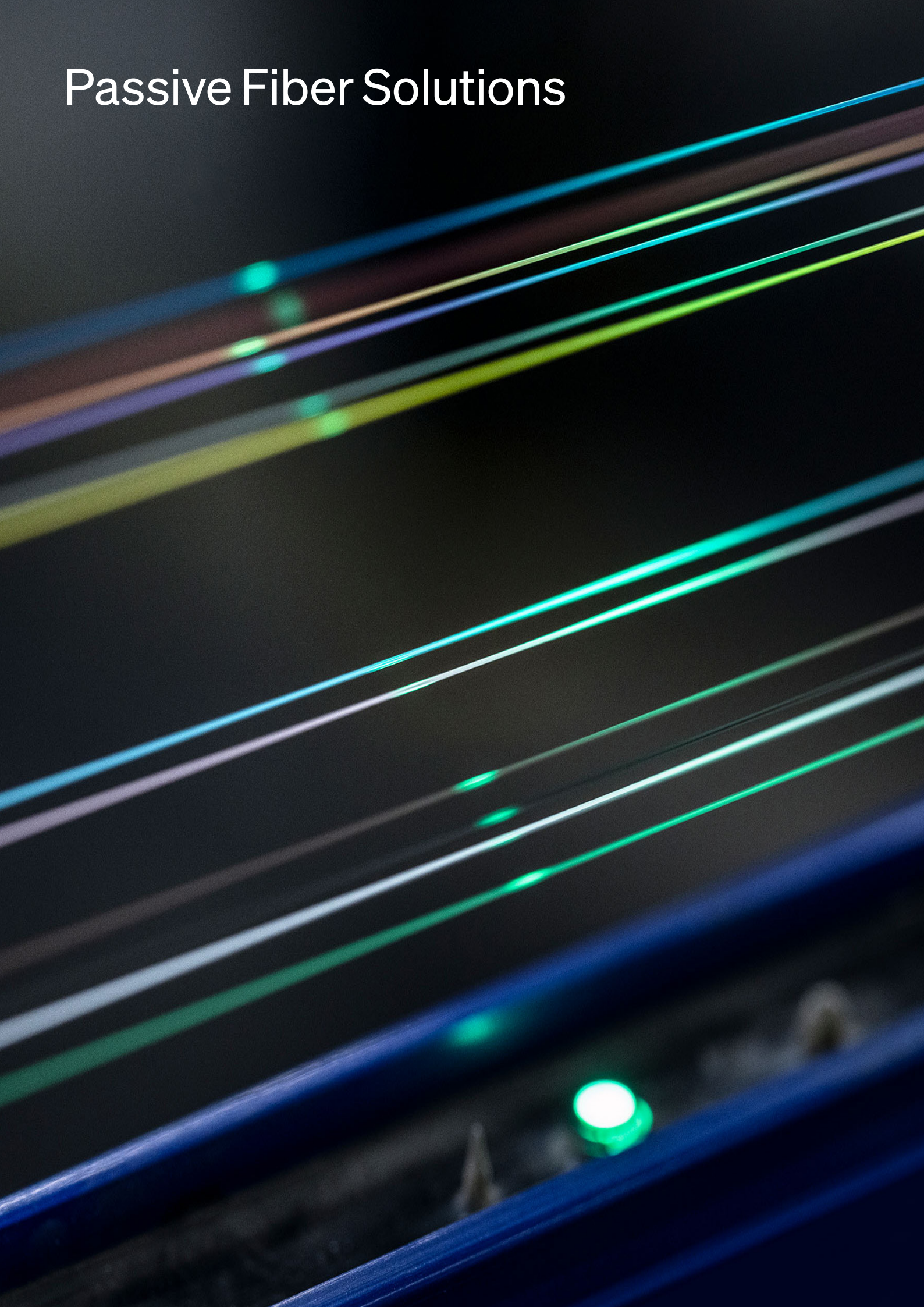
Deploying multiple high gain polarised antenna elements and patented software, these robust and weather proof access points integrate seamlessly into outdoor environments. Powered directly via Ethernet patch leads using POE, or utilising Hexatronic's powered fiber system over longer distances, they are simple to install and integrate.

Colour

Grey

Article	Article name	Ethernet Ports	MU-MIMO	Concurrent Users	Radio chains: streams
RUCKUS T750	High-end Wi-Fi 6 (802.11ax) dual-concurrent AP	1x 2.5 GbE 1x 1 GbE (PSE)	Yes	1024	4×4:4
RUCKUS T750SE	High-end Wi-Fi 6 (802.11ax) dual-concurrent AP with internal sectorized antenna	1x 2.5 GbE 1x 1 GbE	Yes	1024	4×4:4
RUCKUS T670	High-end Wi-Fi 7 (802.11be) tri-concurrent AP	1x 5 GbE 1x 1 GbE	Yes	768	6GHz: 2×2:2 5GHz: 2×2:2 or 4×4:4 (dual band mode) 2.4GHz: 2×2:2
RUCKUS T350D	Mid-range Wi-Fi 6 (802.11ax) dual-concurrent AP with USB and DC power option	1x 1GbE	Yes	512	2×2:2
RUCKUS T350SE	Mid-range Wi-Fi 6 (802.11ax) dual-concurrent AP with USB, DC power option and internal sectorized antenna	1x 1GbE	Yes	512	2×2:2
RUCKUS T350C	Entry-level Wi-Fi 6 (802.11ax) dual-concurrent AP	1x 1GbE	Yes	512	2×2:2

Passive Fiber Solutions



Passive Fiber Solutions

Hexatronic offers a full range of passive fiber connectivity for Passive Optical LAN networks including cable, splitters and enclosure systems. Our range encompasses centralised split and distributed split architecture as well as both spliced and plug and play networks, or a combination of both. Typically the passive layer will be comprised of optical cabling, either pre-terminated or spliced, a centralised splitter or several distributed splitters and a remote termination closure or wall plate.

Optical Fiber PLC Splitters

Low Smoke Zero Halogen Indoor/Outdoor Fiber Cable

Features

- 1×2 up to 1×64 variants
- Fully passive design
- Optimised for PON networks
- Planar Lightwave Circuit (PLC) low loss splitters
- Rackmount, cassette, module or wall node design

Application

Optical Splitters are widely used in passive optical networks including GPON, NGPON and XGSPON. They take the signal on an input fiber and equally split it over multiple output fibers. 16, 32 and 63 way split models are typically used in centralised distribution models, where the 2, 4 and 8 way units are typically used in distributed split networks.

Design

The range of PLC splitters for POL networks from Hexatronic includes rack mounted fixed port splitters, cassette style pre-tailed splitters in a rack mount chassis, module style splitters with bare fibers or terminated ends and multi-entry wall nodes for riser cupboards or aerial applications.

Colour

Various

Article	Article name	Style	Split Ratio	Dimensions WxHxD [mm]	Weight [kg]
RDJ901200/85	Cassette SPLM 1:2, SC/APC, 900/1500mm tails	Pre-tailed cassette	1:2	90×10×126	-
RDJ901200/1	Cassette SPLM 1:4, SC/APC, 900/1500mm tails	Pre-tailed cassette	1:4	90×10×126	-
RDJ901200/9	Cassette SPLM 1:8, SC/APC, 900/1500mm tails	Pre-tailed cassette	1:8	90×10×126	-
RDJ901200/17	Cassette SPLM 1:16, SC/APC, 900/1500mm tails	Pre-tailed cassette	1:16	90×10×126	-
RDJ901200/33	Cassette SPLM 1:32, SC/APC, 900/1500mm tails	Pre-tailed cassette	1:32	90×10×126	-
RDJ901200/41	Cassette SPLM 1:64, SC/APC, 900/1500mm tails (2 slot)	Pre-tailed cassette	1:64	90×20×126	-
NBA30104	Splitter Frame 1RU, 9 slot (accepts SPLM cassetes)	Cassette chassis	-	483×44×35	0.4
NBA30105	Splitter Frame 4RU, 35 slot (accepts SPLM cassetes)	Cassette chassis	-	183×177×40	0.5
CLP-OS-S-SCA-8/1×2-R	Rackmount Splitter 8x 1:2, SC/APC 1RU	Rack mount	8x 1:2	485×44 ×255	3.5
CLP-OS-S-SCA-6/1×4-R	Rackmount Splitter 6x 1:4, SC/APC 1RU	Rack mount	6x 1:4	485×44 ×255	3.5
CLP-OS-S-SCA-4/1×8-R	Rackmount Splitter 4x 1:8, SC/APC 1RU	Rack mount	4x 1:8	485×44 ×255	3.5
CLP-OS-S-SCA-1×16-R	Rackmount Splitter 1:16, SC/APC 1RU	Rack mount	1:16	485×44 ×255	3.5
CLP-OS-S-SCA-1×32-R	Rackmount Splitter 1:32, SC/APC 1RU	Rack mount	1:32	485×44 ×255	3.5
FCLW-ASN-G-P06-104-ASC	Subscriber Node, SC/APC, 1×4 Splitter Grey	Wall mount node	1:4	146×308×78	1.0
FCLW-ASN-G-P12-108-ASC	Subscriber Node, SC/APC, 1×8 Splitter Grey	Wall mount node	1:8	146×308×78	1.0
FCLW-ASN-G-P18-108-ASC	Subscriber Node, SC/APC, 2×1:8 Splitter Grey	Wall mount node	2x 1:8	146×308×78	1.0
FCLW-ASN-G-P18-116-ASC	Subscriber Node, SC/APC, 1:16 Splitter Grey	Wall mount node	1:16	146×308×78	1.0
FCLW-ASNMX-G-P32-132-ASC	Subscriber Node Max, SC/APC, 1:32 Splitter Grey	Wall mount node	1:32	250×350×91	1.4
BPS+	Compact Steel Module PLC Splitters*	Steel Module	1:x	-	-

*Contact Hexatronic for further details

Pushable Drop Cables - G657B3

Low Smoke Zero Halogen SC/APC Drop Cables

Features

- Pushable make up SC/APC one end
- LSZH Materials
- Flexible and fire retardant outer sheath with aramid yarn strength member
- Suitable for laying in tray or pulling through duct
- Excellent optical performance with low loss fibers
- A dry cable design with 900um buffer allows for simple fiber preparation
- Dielectric unarmoured design

Application

The range of Pushable Drop Cables from Hexatronic are designed for POL and PON applications for direct connection from splitter nodes and distribution boxes to end user ONTs. The connectors feature a make up connector one end that can be pushed through small wall penetrations and conduit over short to medium runs while reducing the likelyhood of snagging.

Design

The cables are based on a 3mm white jacketed, G657B3, LSZH Cca rated cable with Kevlar strength members underneath the jacket. One end is terminated with an SC/APC connector, while the free end is terminated with an SC/APC ferrule and supplied with a make-up housing for assembly once installed.

Colour

White

Article	Article name	Installation Tensile Force [N]	Crush [N/ 100mm]	Bend radius [mm]	Diameter Ø [mm]	Weight [kg/km]
FTACS01-B330-PSCASC-M005W	LSZH SCA/P.SCA G657B3 Drop Cable 5m	400	500	5	3	9.5
FTACS01-B330-PSCASC-M010W	LSZH SCA/P.SCA G657B3 Drop Cable 10m	400	500	5	3	9.5
FTACS01-B330-PSCASC-M015W	LSZH SCA/P.SCA G657B3 Drop Cable 15m	400	500	5	3	9.5
FTACS01-B330-PSCASC-M020W	LSZH SCA/P.SCA G657B3 Drop Cable 20m	400	500	5	3	9.5
FTACS01-B330-PSCASC-M025W	LSZH SCA/P.SCA G657B3 Drop Cable 25m	400	500	5	3	9.5
FTACS01-B330-PSCASC-M030W	LSZH SCA/P.SCA G657B3 Drop Cable 30m	400	500	5	3	9.5
FTACS01-B330-PSCASC-M035W	LSZH SCA/P.SCA G657B3 Drop Cable 35m	400	500	5	3	9.5
FTACS01-B330-PSCASC-M040W	LSZH SCA/P.SCA G657B3 Drop Cable 40m	400	500	5	3	9.5
FTACS01-B330-PSCASC-M045W	LSZH SCA/P.SCA G657B3 Drop Cable 45m	400	500	5	3	9.5
FTACS01-B330-PSCASC-M050W	LSZH SCA/P.SCA G657B3 Drop Cable 50m	400	500	5	3	9.5
FTACS01-B330-PSCASC-M075W	LSZH SCA/P.SCA G657B3 Drop Cable 75m	400	500	5	3	9.5
FTACS01-B330-PSCASC-M100W	LSZH SCA/P.SCA G657B3 Drop Cable 100m	400	500	5	3	9.5

Indoor/Outdoor Fiber Cable

Low Smoke Zero Halogen Indoor/Outdoor Fiber Cable

Features

- Up to 24 fibers
- LSZH Materials
- Flexible and fire retardant outer sheath with aramid yarn strength member
- Suitable for laying in tray or pulling through duct
- Excellent optical performance with low loss fibers
- A dry cable design with 900um buffer allows for simple fiber preparation
- Dielectric unarmoured design

Application

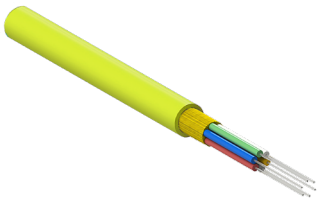
The Low Smoke Zero Halogen (LSZH) jacketed indoor/outdoor riser (IOR) cable series combines robust design, low attenuation and excellent installation performance. IOR cable is primarily designed for use in intra-building backbones and in vertical riser installations. The 900um buffer allows for easy handling and field termination by splicing or direct termination.

Design

The cables are based on a dry design with up to 24 fibers per cable. Each fiber is buffered in 900um LSZH material. (Dot marks are used for fiber counts >12) The cable is jacketed by a halogen free, fire resistant, low smoke jacket. The design facilitates easy fiber preparation and mid-span access.indoor environments.

Colour

Yellow



Article	Article name	Fiber Count	Tensile Force [N]	Crush [N/ 100mm]	Bend rad. [mm]	Diameter Ø [mm]	Weight [kg/km]
OSA-FSM2-002IOR-YL	LSZH IOR 2F SM G657A2 TIA	2	500	500	96	4.8	20
OSA-FSM2-004IOR-YL	LSZH IOR 4F SM G657A2 TIA	4	500	500	104	5.2	24
OSA-FSM2-006IOR-YL	LSZH IOR 6F SM G657A2 TIA	6	500	500	114	5.7	28
OSA-FSM2-008IOR-YL	LSZH IOR 8F SM G657A2 TIA	8	500	500	124	6.2	32
OSA-FSM2-012IOR-YL	LSZH IOR 12F SM G657A2 TIA	12	500	500	140	7.0	42
OSA-FSM2-024IOR-YL	LSZH IOR 24F SM G657A2 TIA	24	600	500	176	8.8	65

Subscriber Wall Plates

Compact Subscriber Wall Outlets

Features

- Compact size and discreet appearance
- Single and multiple service offerings
- Up to 4 connections (SC/APC)
- Cable entry from rear or wall surface
- Ample space for splicing and patching
- Fibre management secures minimum bend radius

Application

The Subscriber Wall Plates from Hexatronic are installed in client premesis or under desks in office settings to provide a connection point for end device ONT connection. The wall plates offer protection to the permanently installed cabling and allow for a point of testing at end point locations.

Design

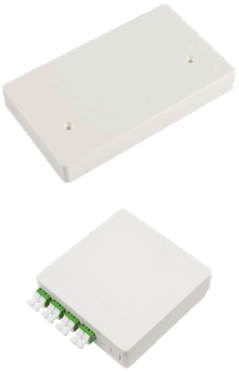
Subscriber Wall Plates are constructed from high quality ABS material in a white colour for discreet appearance in homes and office settings. Available in two versions for single or multi-service applications.

The single port wall plate allows for internal patching and splicing for maximum protection and is particularly suited to client dwellings and business subscribers.

The multi port wall plate is suitable for offices and commercial buildings requiring multiple discreet services.

Colour

White



Article number	Article name	Port Capacity	Splice Capacity (max)	Size WxHxD (mm)	Weight (kg)
FCLC-DIS-ICB-P00-UNL	Subscriber Wall Plate - Unloaded - 4x Simplex SC Ports	4	8	100×100×27	0.1
FCLC-DIS-ICB-P01-ASC-UNL	Subscriber Wall Plate - 1x SC/APC Adaptor	1	8	100×100×27	0.1
FCLC-DIS-ICB-P01-ASC-B3	Subscriber Wall Plate - 1x SC/APC, G657B3 Pigtail	1	8	100×100×27	0.2
FCLC-DIS-SBS-P00-UNL	Subscriber Wall Plate - Unloaded - 1x Simplex SC Port	1	2	146×86×20	0.2
FCLC-DIS-SBS-P01-ASC-UNL	Subscriber Wall Plate - 1x SC/APC Adaptor	1	2	146×86×20	0.2
FCLC-DIS-SBS-P01-ASC-B3	Subscriber Wall Plate - 1x SC/APC Adaptor, G657B3 Pigtail	1	2	146×86×20	0.3

Rack Mount Fiber Termination Panels - Sliding

Modular Splice and Patch 19" Rack mount Enclosures

Features

- 1, 2 & 3RU sliding FTPs to suit 19" racks
- Up to 288 LC Fiber connections
- Sliding drawer allows ample internal access for splicing and patching
- Modular through adapter panels to suit standard industry connectors including LC, SC, ST, FC, MTP and MTRJ
- Unique cable entry mounting suits single and multi cable entry
- Alternative high density, fixed port SC/LCD fascia

Applications

These fiber termination panels are suitable for the splicing of tight buffered cable, air blown fiber units and loose tube cable. They can be used within communications racks for the patching of pre-terminated cable assemblies. The unique entry bracket allows cables and microducts to be retained at the rear of the enclosure.

Design

These FTPs are available in 1, 2 and 3RU sizes and are designed for installation into standard 19" communications racks and cabinets. Each FTP accepts through adapter panels on the fascia of the enclosure. The tray is equipped with double extending rails that allow ample access to the storage and splicing compartment of the enclosure.

Colour

Grey

Article number	Article name	Modular Panel Capacity	Port Capacity (fiber count)	Splice Capacity (max)	Size WxHxD (mm)	Weight (kg)
CLP-1RU-2P-S	Modular 1RU 2 Panel Sliding Enclosure	2	24 SC / 48 LC	24 (48 HD)	485 × 44 × 330	3.8
CLP-2RU-4P-S	Modular 2RU 4 Panel Sliding Enclosure	4	48 SC / 96 LC	48 (96 HD)	485 × 88 × 350	4.2
CLP-3RU-8P-S	Modular 3RU 8 Panel Sliding Enclosure	8	96 SC / 192 LC	96 (192 HD)	485 × 132 × 350	5.8
CLP-1RU-48-S	Modular 1RU 48 Port Sliding Enclosure	-	48 SC / 96 LC	36 (72 HD) Alt tray	485 × 44 × 330	3.8
CLP-2RU-96-S	Modular 2RU 96 Port Sliding Enclosure	-	96 SC / 192 LC	96 (192 HD)* Alt tray	485 × 88 × 350	4.2
CLP-3RU-144-S	Modular 3RU 144 Port Sliding Enclosure	-	144 SC / 288 LC	144 (288 HD) Alt tray	485 × 132 × 350	5.8

Wall Mount Fiber Termination Panels - Indoor

Modular Splice and Patch Wall Mount Enclosures

Features

- 1, 2 & 3U sizes for wall mount applications
- Up to 192 LC fiber connections
- Double hinged doors allows ample internal access for splicing and patching
- Modular through adapter panels to suit a wide range of industry standard connectors
- Lockable doors reduce unwanted tampering
- Dual door design for network and customer segregation

Applications

Wall mounted fiber termination panels are designed for compact splice, patch and field termination of optical fiber cables. These wall mount enclosures are typically employed in warehouses, campuses, multi-dwelling units and remote locations. They also often feature in communications rooms for fiber lead ins or where rack space is limited.

Design

These FTPs are available in 1, 2 and 3U sizes and are designed for installation onto available wall space indoors. Each FTP accepts through adapter panels on the internal dividing panel of the enclosure. The left hand compartment is designed for terminating incoming cables and accepts splice cassettes. The right hand compartment is designed for patching outgoing patch leads. The enclosure is equipped with double hinged doors that allow ample access to the storage and splicing compartments of the enclosure.

Colour

Light Grey

Article number	Article name	Modular Panel Capacity	Port Capacity (fiber count)	Splice Capacity (max)	Size WxHxD (mm)	Weight (kg)
CLP-1U-2P-WB	Modular 1U 2 Panel Wall Mount Enclosure	2	24 SC / 48 LC	24 (48HD) [Use 140mm tray]	307 × 270 × 85	4.2
CLP-2U-4P-WB	Modular 2U 4 Panel Wall Mount Enclosure	4	48 SC / 96 LC	48 (96HD) [Use 200mm tray]	405 × 350 × 85	6.3
CLP-3U-8P-WB	Modular 3U 8 Panel Wall Mount Enclosure	8	96 SC / 192 LC	96 (144HD) [Use 200mm tray]	405 × 350 × 145	7.0

Powered Fiber Solutions

Powered Fiber Solutions

Save on time and civil works, and create redundancy by using the InOne powered fiber system from Hexatronic. Provide your remote devices with DC power and data connectivity in a single microcable. Monitor the infrastructure of your critical application with the InOne smart network. Each powered fiber system is made up of a Hybrid Distribution Node (HDN), cable and one or more Hybrid Access Nodes (HAN). The 110V system supports a range of topologies including daisy chain, ring and star networks, while the 60V system is designed for point to point connections.

InOne Hybrid Distribution Node

Hybrid Power and Data Distribution Node

Features

- Switched or standard hybrid ODF panels
- Modular power supplies
- Integrated DIN clips for field cabinets
- Mounting frames for rack mount solutions
- Redundant power supply options
- 110V DC or 60V DC power feed

Application

The Hybrid Distribution Node (HDN) contains the InOne Power Rectifier that normally converts the 240V AC to ELV 60V or 110VDC transmission. It also includes the Hybrid ODF that is used to terminate the fiber and power from the InOne hybrid cable.

The HDN can also be connected to a 3rd party UPS for protection against power failure. Contact Hexatronic for more information on suitable UPS.

Design

Both the Rectifier and the Hybrid ODF are DIN rail mountable, but can also be supplied with a 4U 19" rack with a transparent safety cover.

Colour

Black/Blue

Article	Article name	Input Voltage [VAC]	Output Voltage [VDC]	Dimensions WxHxD [mm]	Weight [kg]
HBMR136200/5	PSU 110V DC 480W DIN Mount	90-132, 184-264	110	200×130×115	2.8
HBMR136200/5	PSU 110V DC 1000W DIN Mount	90-132, 184-264	110	200×156×115	3.2
-	PSU 60V DC 720w DIN Mount	90-132, 184-264	60	200×130×115	3.0
HBMR136202	N+1 Redundancy Controller 110V	110	110	62×130×115	1.0
-	N+1 Redundancy Controller 60V	60	60	62×130×115	1.0
HNCD520225/12	Hybrid ODF 6SCA DIN Mount	60-110	60-110	32×145×120	0.3
HNCD520226/2	Hybrid ODF 6SCA DIN Mount	60-110	60-110	60×145×100	1
-	Hybrid Blade Card for RM Chassis, 110V 2 Slot	110	110	-	0.3
-	Hybrid Blade Card for RM Chassis, 60V 1 Slot	60	60	-	0.2
-	Rackmount Hybrid Distribution Chassis 3U 16 Slot	-	-	483×133×150	
HNCD520235	HDN Rackmount frame 19" 4U	-	-	483×178×160	
HMBR-PSU-COVER	HMBR PSU Protective Cover	-	-	-	-

InOne Hybrid Microcable - Outdoor

Hybrid Fibers G657A1 + Power Wires

Features

- Super slim design for microducts down to 8 mm
- Up to 24 fibers and 2 to 8 copper wires 0.75 to 10mm²
- Excellent installation performance
- Unique design with robust inner tubes
- Temperature range from -45 to +70 °C
- Easy to prepare and identify fibers and copper conductors

Application

Hexatronic Hybrid Microcable is a part of our InOne Powered Fiber System, enabling power feeding and optical fibers to be installed into traditional ducts with an inner diameter of down to 8 mm. The system is suitable for all types of campus networks, metropolitan networks, rural access networks and backbone networks where you need remote powering of active devices.

Design

The Micro Hybrid Cables are designed with inner protective tubes made of a unique Polyamide compound. Including up to 8 power wires to enable low voltage power feeding. Jacketed in Polyethylene, the unique cable design with an extended operational temperature range of -45 to +70 °C can be used in many environments where heat and cold are often a major concern.

Colour

Black

Article	Article name	Fiber Count	Tensile Force [N]	Crush [N/ 100mm]	Bend rad. [mm]	Diameter Ø [mm]	Weight [kg/km]
TOL4079028/12	Micro Hybrid 12 G657A1 + 4×0.75 mm² Cu	12	800	2000	75	5.7	45
TOL4079029/24	Micro Hybrid 24 G657A1 + 4×1.5 mm² Cu	24	800	2000	75	6.7	80
TOL4079036/24	Micro Hybrid 24 G657A1 + 8×1.5 mm² Cu	24	2500	2000	100	9.9	170
TOL4079038/24	Micro Hybrid 24 G657A1 + 2×10 mm² Cu	24	1000	2000	124	12.6	271

InOne Hybrid Microcable - Indoor/Outdoor

Hybrid Fibers G657A1 + Power Wires , CPR Dca LSZH

Features

- Super slim design for microducts down to 8 mm
- Up to 24 fibers and 2 to 4 copper wires 0.75 to 4.0mm²
- Excellent installation performance
- Unique design with robust inner tubes or buffered fibers
- Temperature range from -45 to +70 °C
- Easy to prepare and identify fibers and copper conductors

Application

Hexatronic Hybrid Microcable is a part of our Hexatronic Powered Fiber System, enabling power feeding and optical fibers in one, easy to install, slim cable. This version is halogen-free and flame retardant and is therefore suitable for indoor or combined indoor and outdoor environments.

Design

The Micro Hybrid Cables are designed with inner protective tubes made of a unique Polyamide compound. Including up to 4 power wires to enable low voltage power feeding. Jacketed in Halogen Free, Flame Retardant Polyethylene (HFFR), the unique cable design with an extended operational temperature range of -45 to +70 °C can be used in many environments where heat and cold are often a major concern.

Colour

Black

Article	Article name	Fiber Count	Tensile Force [N]	Crush [N/ 100mm]	Bend rad. [mm]	Diameter Ø [mm]	Weight [kg/km]
TOL4079030/12	Micro Hybrid 12 G657A1 + 4×0.75 mm² Cu, CPR Dca, Black	12	800	2000	75	8.3	95
TOL4079029/24	Micro Hybrid 24 G657A1 + 4×1.5 mm² Cu, CRP Dca, Black	24	800	2000	75	10.0	145
-	Micro Hybrid 4 G657A1 Buffered + 2×4.0 mm² Cu Dca, Black	4	-	-	-	-	-

InOne Hybrid Access Nodes

Termination Box for the Hexatronic InOne System

Features

- Remote Powered by Hexatronic InOne Micro Hybrid System
- Stabilized and protected output power
- Simple power termination and fiber splicing
- Power inlet is designed with blocking functionality with faulty polarity connection detection
- LED at power inlet indicate correct polarity and powering
- Wall or pole mounting

Application

The Hybrid Access Nodes from Hexatronic are the remote termination boxes for our Powered Fibre System. They are optimised for field termination of Hybrid Micro cables. The termination box is designed to be mounted on walls or poles and is weather protected to IP65. Typically these devices will allow for the housing of industrial media converters, switches and ONTs for the remote powering and data feeds of your network. Direct power connection is also possible for suitable end devices.

Design

Our Hybrid Access Nodes are constructed from cast aluminium and are designed to dissipate the heat from contained active equipment.

Each HAN is watertight according to IP65 (excludes E2), and can also be fitted with an optional sun-shield for extremely hot environments. Each HAN contains a splice tray for terminating the incoming fibers, and a push lock terminal block for incoming power wires. The 110V HANs contain a solid state DC-DC converter for stable output power even over long distances.

E10s variants are designed to accept a standard ASSA lock cylinder for additional security.

Colour

Silver/White

Article	Article name	Input Voltage [VDC]	Output Voltage [VDC]	Output Power [W max]	Dimensions WxHxD [mm]	Weight [kg]
HNCD520254/1	Hybrid Access Node E2 ALU, IP54	43-120	48/56	100	190×250×75	2.5
HNCD520252/1	Hybrid Access Node E3 ALU, IP65	43-120	48/56	150	195×275×85	2.5
HNCD520242/1	Hybrid Access Node E10 ALU, IP65	43-120	48/56	150	275×378×116	3.5
HNCD520242/70	Hybrid Access Node E10s ALU, IP65	43-120	48/56	150	275×378×116	3.5
HNCD520242/1AA	Hybrid Access Node E10 ALU, IP65	43-120	48/53+48/53	240+240	275×378×116	3.5
HNCD520242/1AB	Hybrid Access Node E10 ALU, IP65	43-120	48/53+24	240+240	275×378×116	3.5
HNCD520242/1BB	Hybrid Access Node E10 ALU, IP65	43-120	24+24	240+240	275×378×116	3.5
HNCD520242/70AA	Hybrid Access Node E10s ALU, IP65	43-120	48/53+48/53	240+240	275×378×116	3.5
HNCD520242/70AB	Hybrid Access Node E10s ALU, IP65	43-120	48/53+24	240+240	275×378×116	3.5
HNCD520242/70BB	Hybrid Access Node E10s ALU, IP65	43-120	24+24	240+240	275×378×116	3.5
-	Passive Hybrid Access Node E10 ALU, IP65	48-60	Pass	N/A	275×378×116	3.3
-	Passive Field Termination Unit	48-60	Pass	N/A	-	-
HNCD520242/20	InOne Sun Shield for E10 HAN	-	-	-	-	2
HNCD520242/60	Auxiliary Tray + Lid sensor for E10 HAN	-	-	-	245×100×150	1.4

A lasting link to the future

hexatronic.com

Hexatronic enables non-stop connectivity for communities worldwide. We partner with customers across four continents – from telecom operators to network owners – offering leading-edge fiber technology and solutions for any and all conditions.