



Data Centre Solutions

Product Catalogue 2018



About EDP Europe

EDP Europe Limited has been delivering high quality, innovative infrastructure solutions to the IT & data centre industry across the UK and EMEA for more than 25 years.

In today's data driven economy, demand for increased data processing power, data storage, and cloud services is driving the need for more and more data centre capacity, faster IT systems, and improved efficiency. New corporate and multi-tenant data centre facilities are being constructed to support this demand, and existing or legacy data centres are being refurbished to achieve improvements in efficiency across both facilities (Energy efficiency) and IT (service delivery). Data management, privacy, efficiency, and compliance with corporate, industry and regulatory standards are contributing to a constantly evolving landscape. The need to ensure your infrastructure meets not only the requirements for today but for tomorrow and beyond has never been greater.

EDP Europe builds on its many years of experience, to provide a wealth of knowledge and a broad portfolio of leading edge systems & services to optimise the overall performance of our customers' data centres and enterprise IT environments. From design & build to ongoing operational management, EDP Europe offers technologies and solutions that can support the life-cycle of your critical IT environments to increase efficiency, resiliency, flexibility and security.

Our Services

- Design & Construction
- Data Centre Cooling Optimisation & Energy Efficiency
- Network Connectivity Solutions
- Bespoke Power Solutions
- IT Physical Security & Compliance
- IT Infrastructure – Layer 1 Solutions & Services
- Monitoring Solutions
- Data Centre Infrastructure Management



Airflow Management & Optimisation



Raised Floor Air Management

KOLDLOK



- Range of raised floor grommets for sealing cable openings.
- Increases existing cooling unit capacity, by reducing bypass airflow, leading to energy cost savings.
- Increases static pressure under the raised floor and improves cool air delivery through floor grates and perforated tiles.
- Improves equipment reliability and extends equipment life.

RackSEAL Floor



- Ideal solution for sealing large open areas in data centre raised floors.
- Flexible solution provided by perforations enables resizing for smaller openings and around obstacles.
- 600mm x 600mm foam sheet with 25mm x 25mm perforations.
- Fire rating of open cell to UL94 HF1 flame retardancy.

RackSEAL Tile



- Offers excellent airflow management properties via double layer brush strip.
- Rapid installation speeds up cabinet deployment.
- Two large openings for optimal cable densities & better cable segmentation.
- Adjustable height via integral corner levellers.
- Works with data centre floors from 30mm to 45mm thick.

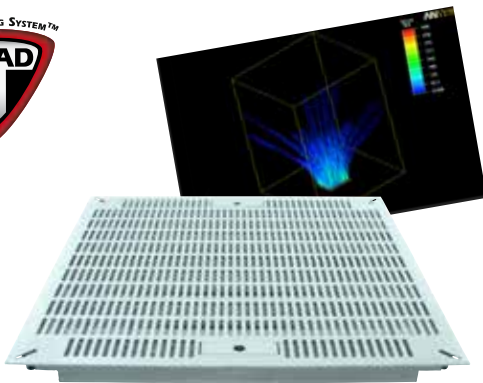


- Heavy duty 600mm x 600mm x 40.4mm replacement floor tiles.
- Available with single or double cable openings.
- Large brushed cable openings of 470mm x 129mm with removable safety gland plate.
- Powder coated grey as standard.



Airflow Management & Optimisation

Raised Floor Air Management



- Standard flat bottom floor grilles have a major design flaw that creates jet stream, short cycling and negative airflow.
- Triad is different, the grille has a specially designed fin and hole pattern that causes the air to “bend” outwardly creating a unique dispersion pattern.
- The design creates better stratification providing cooling for top-of-rack servers.

PLENAFORM® Raised Floor Partition System



- Flexible, snap together, airflow baffle system which helps to solve dynamic thermal imbalances in data centres.
- Scored both vertically and horizontally so enabling installation to meet any height or width requirement.
- Control and balance data centre airflow.
- Separate hot aisles from cold aisles.
- Helps reduce energy consumption and operating costs.

Rack Airflow Management

AISLELOK™



- AisleLok® under rack panel is designed to seal openings below new or existing racks.
- Prevents hot air recirculation under the rack.
- Two widths available to suit 600mm or 800mm wide racks.
- Two versions of tool-less application - simply peel & stick or magnetic.
- Pre-scored lines on the flexible sealing material enables easy removal of excess material.

EziBlank 19" Brush Panels Keeping IT cool

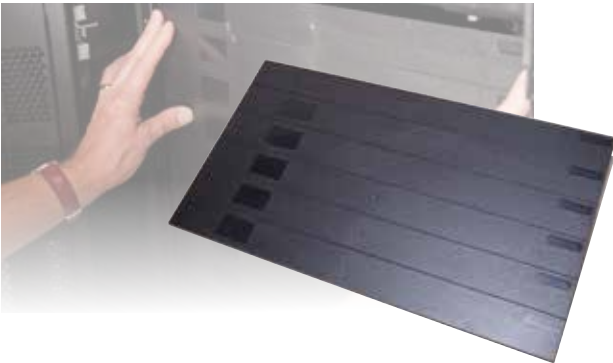


- EZIBRUSH™ allows cables to pass through without significant airflow leakage.
- Designed and manufactured to the highest International standards.
- Reusable, recyclable and flame retardant.
- Quick and simple to install, each brush strip blanking panel is supplied with mounting screws.



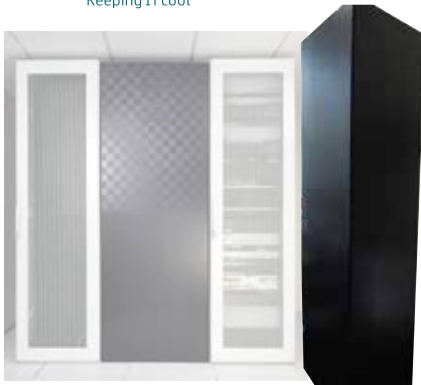
Rack Airflow Management

EziBlank 6U Blanking Panels Keeping IT cool



- EZIBLANK® blanking panel sheets prevent hot air recirculation, which is one measure to improve CRAC unit efficiency.
- Using EZIBLANK® blanking panel sheets keeps hot exhaust air away from the cool intake air, extending the life of IT equipment, saving energy and reducing the carbon footprint of the data centre.
- 6U EZIBLANK® blanking panel sheets can be split at 1U intervals.
- Tool-less installation thanks to innovative 'pop-in clip'.

EziBlank Rack Replacement Wall Keeping IT cool



- Single 48U high rack replacement wall.
- Replaces 600mm, 750mm or 800mm racks by simply rotating.
- Made from twin walled polypropylene sheet, that is antistatic, impact & water resistant, non-toxic and resistant to chemicals.
- 100% Recyclable.

HOTLOK®



- Snap-in blanking panel solution for 19" & 23" racks providing a 99%+ effective seal.
- Reduce hot spots and bypass airflow by preventing exhaust air migrating to the front of the cabinet.
- Unique features that aid fitting and eliminate gaps between adjoining panels or equipment.
- HotLok® 4" Round designed to seal cable entry points in rack cutouts.

HOTLOK®



- HotLok® Rack Airflow Management (RAM) Kit is designed to seal the gaps between the rail and side of rack enclosures.
- Helps reduce bypass airflow and prevent hot air recirculation in IT racks.
- Two mounting extrusions and three sealing membrane widths for a "universal fit" in any IT equipment cabinet.
- Customisable application – Can be trimmed for a tailored fit enabling cable passage.



Airflow Management & Optimisation

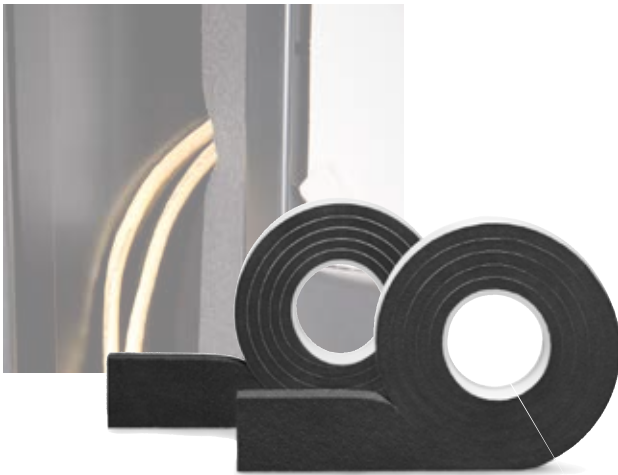
Rack Airflow Management

PLENAFILL®
27U Scalable
Blanking Panel



- Supplied in boxes of 10 x 27U sheets that are scored at 1U intervals.
- No more guessing how many blanking panels are required.
- Quickly blank off large areas of unused rack space.
- Fire rated material (ULVO class 94) that can be easily cut to blank areas of less than 1U.
- Available in dark grey or white.

RackSEAL



- Self adhesive foam tape air barrier.
- Prevents hot air recirculating between cabinet sides and rails, between racks or underneath the rack.
- Reduces hot spots caused by hot air recirculation.
- Slow expansion allows RackSEAL air barrier to be installed without disturbing cables.
- Seals around cables.

Network Switch Cooling

SwitchAir® & SwitchFix



- SwitchAir® & SwitchFix are specifically designed to provide effective cooling for top of rack network switches.
- Some network switches exhaust hot air out to the front or side of the rack, this can lead to mixing air streams.
- SwitchAir® & SwitchFix channel cool air to the network switch and prevents mixing.
- Passive and Active models depending on the network switch to be cooled.



Sliding Doors



Bi-Directional Doors



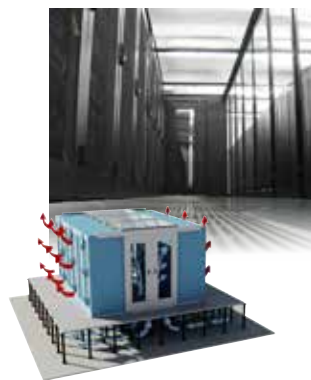
Rack Top Baffles



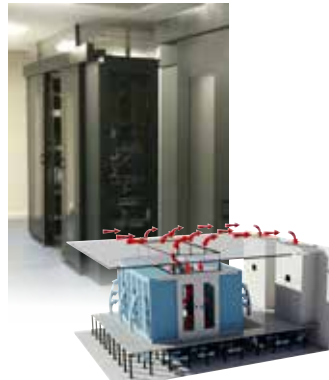
Adjustable Rack Gap Panel

- AisleLok® Modular Containment provides an out-of-the-box aisle containment solution.
- A non-intrusive mounting system enables rapid deployment in standard rack row aisles.
- Flexible design allows for easy reconfiguration as the needs of the data centre evolve.
- System comprises of three core components:
 - Rack Top Baffles - For hot or cold aisle isolation.
 - Two types of doors:
 - Bi-Directional Doors - That fit 1,200mm wide aisles.
 - Available early 2018 new sliding doors option. Suitable for 42U to 45U high cabinets in two widths 4' (1,529mm) or 6' (2,139mm), available in Black or White. Additional Transom windows extend 45U to 50U.
 - Adjustable Rack Gap Panel - Extends from 254mm to 1,524mm to fill spaces between racks such as building supports or missing IT racks.

Bespoke Aisle Containment Solutions



Cold Aisle Containment



Hot Aisle Containment



Thermal Curtain Containment

- Retrofitting aisle containment solution for isolating hot or cold aisles.
- Retrofits to existing cabinets no matter what their height, width or manufacturer.
- Cold Aisle Containment can improve cooling efficiency by as much as 30%.
- Roof panel options include fusible link, electronic release and fixed panels with rubber gaskets.
- Transparent roof panels allow high level of light transmission.
- Custom infill panels can be solid or Perspex, and can be designed to be removed to install additional racks.
- High quality and flexible door options available including swing doors, manual sliding doors, or fully motorised door options with security keypad locking.
- Door mechanisms are designed to keep aisle pathway clear.
- Cost-effective Thermal Curtain solutions are also available, which provide a rapidly installed and scalable aisle containment system.
- Flexible PVC curtains are hung from a heavy duty mounting track, requiring zero downtime during installation.



Data Centre Infrastructure

19" Racks



LOGIC²



RETO

- Retex Logic2 server racks are premium pre-assembled flat packed racks.
- Flat packed delivery for ease of access to any difficult installation areas.
- Unique aluminium frame design can be assembled in minutes with just eight bolts.
- High load capacity of 1,500Kg.
- Retex RetO cost-effective flat packed rack, that can also be supplied already assembled.
- Innovative design that can be assembled in around 5 minutes.
- Static load capacity of 1,200Kg.
- Great flexibility, and adjustability thanks to two adjustable multifunction members, which provide stability.



- Rittal TS-IT racks redefine the global standard for network and server equipment.
- Designed to enable fast and tool-free assembly by a single person.
- Load capacity up to 1,500 kg.
- Mounting rails can be set to 19", 21", 23" and 24" in a 800mm wide rack.
- Heights of 24U, 38U, 42U & 47U in a 800mm wide rack and 42U & 47U in a 600mm wide rack.
- Intelligent cable management.
- Choice of glazed front doors for applications with liquid cooling or vented doors for room climate control.
- Divided rear doors from a height of 1.8m for optimised space utilisation.



- The Rittal TS-IT rack offers great flexibility and can also incorporate IP55 protection and integrated cooling.
- Cooling can be provided by two methods:
- TopTherm - A roof or side mounted cooling unit that provides active climate control for heat loads up to 3kW.
- Liquid Cooling - via either the LCU refrigerant-based enclosure cooling unit capable of capacities of 3.5kW or 6kW, or the LCP cooling package that offers cooling capacity of up to 12kW.



- Range of 19" Racks that includes:
 - Server Racks
 - Comms Racks
 - Co-location Racks
 - Wall Boxes
- Rack heights from 6U Wall Boxes to 48U Server Racks.
- 600mm & 800mm wide racks available.
- 1,200mm deep Server Racks available.

Water Cooled Racks / Chimney Racks

ColdLogik™

Perfect climate – Perfect control



- ColdLogik™ Water Cooled Racks enables cooling of loads of up to 58kW per rack.
- ColdLogik™ allows cooling water temperatures to rise from 6°C to between 14°C and 25°C reducing costs.
- The only water cooled solution with patent pending Leak Prevention System.
- ColdLogik CAP™ offers passive and active Controlled Air Path systems.
- CAP™ units isolate and guide hot air out of the top of the cabinet into a ceiling plenum.
- Converts the USystems 4210 server cabinet to a ducted exhaust cabinet.
- Active units are fitted with up to three self-contained fan cassettes, each with a purpose designed controller.
- ColdLogik DAX system is a heat removal IT rack that provides energy efficient heat removal and redistribution.
- Uses energy efficient fan technology controlled via a fan and environmental controller to effectively remove the heat load.
- Utilises the USystems 4210 cabinet.

Soundproof Cabinets

UCoustic



- UCoustic™ Edge 9210i Soundproof Cabinets are available in active or passive configurations.
- Active cabinets use sensor controlled fans in rear doors to remove heat loads, while passive use the IT equipment's fans to draw in ambient air.
- Available in 12U, 24U or 42U heights.
- 42U cabinets remove up to 31dBA of IT noise and up to 12kW of heat load.



Charging Racks



- Supplied fitted and wired with user specified charger units for all popular makes of hand held device.
- Fully welded construction, with quick release door with inset acrylic window, and removable rear and side panels.
- Vented pull out drawers for increased airflow.
- Two fans in roof panel to extract warm air.
- Vertical cable management in rear of the cabinet.

Raised Flooring



- Bergvik Iso Floor® system uses up to 70% fewer pedestals than conventional static floors.
- Up to 25% more equipment on the same footprint compared to traditional floors.
- Allows different size floor panels to be used.
- The floor is built up around a prefabricated steel substructure that is firmly bolted together.
- Less pedestals means greater space under the floor for improved airflow & cable management.

Asset Tracking



- EnaSys solutions enhance security & inventory control by tracing & tracking the movement of assets.
- Utilises RFID technology.
- Speeds up the process of performing audits by 90%, increasing accuracy by up to 20%.
- Know who has or who is responsible for what inventory.
- EnaSys software captures data and provides full audit trail and reports on asset movements.
- Alerts protect assets from unauthorised removal.
- Establishes a chain of custody for every asset.
- Rapid ROI from 3 to 12 months, depending on the number of assets tracked.

Security & Compliance



Rack**ANGEL** The Ultimate Security Solution For IT Cabinets



Rack Access Control



- A rack security system that is a cost effective, flexible, retrofitable and easy to implement.
- Retrofits to most racks for complete versatility.
- Real time auditing, tracks and reports on activities and events.
- Incorporates environmental monitoring of temperature & humidity into one solution.
- Greater scalability, enables multi-rack locking via one control hub.
- Reduces compliance & security costs.
- Shape memory alloy locking system, with no generation of electro-magnetic field.
- Accessed via proximity card or remotely triggered.
- Compatible with Wiegand data stream.
- Solutions available to work with existing third party building access control systems to extend physical security and audit trail capability down to the cabinet enclosure level.



Biometric Swipe Access Card



- Contactless, biometric swipe access card provides a dual level of authentication without the need to invest in replacing existing card readers.
- Card is enrolled in the same way as existing contactless cards.
- Card has on-board fingerprint technology that ties the card to an individual, and only that individual can activate the card.
- Biometric data is stored on the card eliminating the need to store and manage biometric data.



Rack Surveillance Cameras



- Rack surveillance cameras add another level of security to rack access control.
- Integrates with the rack access control system.
- Rack surveillance cameras are activated when the racks are accessed or compromised, and provide real time or historical footage of events.

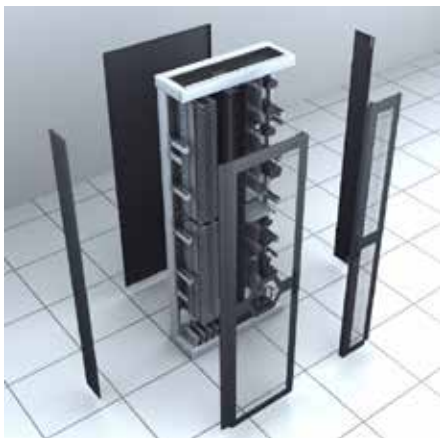


Structured Cabling Infrastructure

Fibre Optic Solutions



- Huber+Suhner LiSA data centre fibre optic management solutions include:
 - Optical Distribution Frames.
 - Optimised Distribution Units.
 - Fibre Optic Trays.
 - Fibre Optic Panels.
 - Single Mode & Multi Mode Fibre Optic Cable & Patch Cords.
 - MTP® Masterline Pre-terminated Fibre System.
- LiSA is a modular & scalable end-to-end fibre management solution.
- Providing high packing density with push / pull connections for speedy installation.



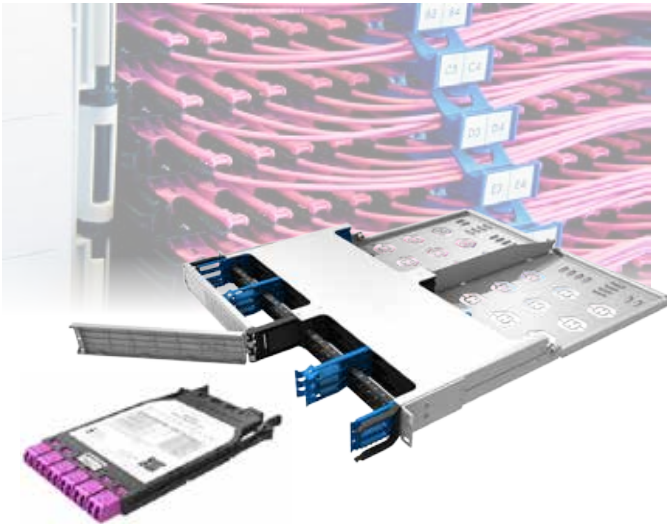
LiSA NGR - Optical Distribution Frame

- LiSA NGR is a flexible and scalable fibre management system.
- The compact size provides low footprint costs. NGR's can be placed against walls, end of rack aisles or back to back.
- Its modular C-Shaped design enables easier configuration and accessibility with all components accessed from the front of the rack.
- High density population of fibres without compromising performance, reliability or handling.



LiSA Fibre Optic Trays

- Trays are colour coded for faster, clearer fibre identification.
- Horizontally arranged, side facing for laser safety.
- Hinge-down fibre tray offers immediate access to internal fibres even during service.
- LiSA fibre trays are quick and simple to install.
- Incoming fibres and pigtails are stored in separate areas.
- Bend radius limitation throughout.



IANOS®

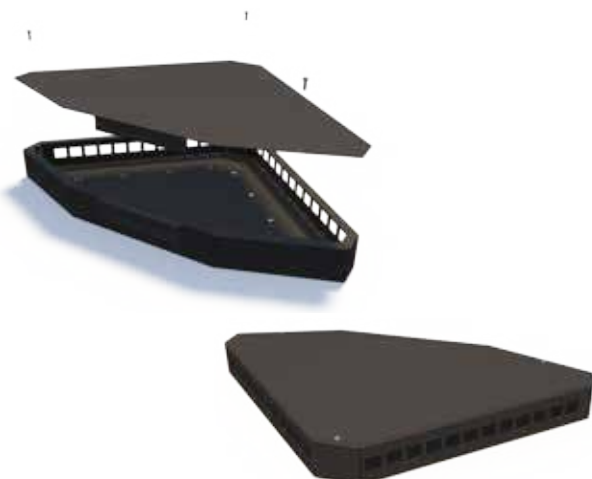
- Class-leading and future-proofed fibre optic management system.
- Facilitates Base-2, 8, 12 and 24 pre-terminated cable systems.
- Accommodates a quick, simple and inevitable upgrade path from 10G serial to 40G and 100G parallel optics.
- Provides up to 144 LC connections in 1U.
- Chassis available in 1U & 4U, with option of a zero u model.
- Modules available as patching modules, transition modules, MTP conversion modules, LC splicing modules and pre-terminated modules.

High Density Patching Frame



- 42U High Density Patching Frame.
- Bolt down locations in base.
- Adjustable 19" mounting profiles.
- Large base and roof apertures for cable entry.
- Infill panels front & rear with cable access apertures.
- 83% Open area, wardrobe mesh doors with swing handle and 3 point locking.
- Full height cable tray at rear.
- Earth bonding points on all panels and frame.

24 Way Stealth Consolidation Box



- Stealth Consolidation Box for the discrete patching of cables in floor or ceiling voids.
- 24 Ports to suit RJ45 jacks.
- Removable top plate for easy access.
- Cable tie down points in base with brushed rear cable entry point.
- Powder coated Black textured finish.



Structured Cabling Infrastructure

Copper Infrastructure Cabling



- METZ CONNECT P|Cabling copper structured cabling system delivers speed and transmission rates for modern network support.
- Full range of Cat. 5_e, 6, 6_A, 7 and 7_A cables, patch cords and accessories.
- U/UTP and U/FTP cabling available.
- Cables are LSFH.
- Patch cords are pre-terminated with two RJ45 plugs with a snagless boot design. Available in various lengths and colours.
- C6_A modul and C6_A modul K connection systems are Cat6 Modules that are easy to install with 3 versions available 90°, 180° and 270° for a high degree of system compatibility.
- The C6_A RJ45 field plug pro offers a time-saving connection to all common cable types, with the 360° version providing the flexibility of variable cable feed.
- Cable connector for field assembly Class F_A for 8 wire cables, to connect, extend, repair or relocate copper cables up to Cat. 7_A.
- 0.5U, 1U and 1.5U patch panels supporting 24 or 48 individual Keystone modules.
- Punch down patch panels also available.
- Host of accessories including termination units, cable mangers, adapters, installation tools and IP protected connectors.



DCCS2 - High Density Copper / Fibre Patching Solution

- The DCCS2 system enables copper and fibre patching to be done from within the same 1U panel.
- 1U subassembly chassis can be kitted out with various link modules enabling single-mode and multi-mode fibre to be in the same 1U space as copper terminations.
- Ports are numbered from 1 to 48, with blanking plates for unused ports.



Copper & Fibre Infrastructure Cabling



- Hubbell NEXTSPEED® is a range of copper structured cabling systems for Cat 6, Cat 6_A, Cat 6_A Shielded and Cat 7.
- Products 100% factory tested, and continuously third party verified to TIA 568-C.2 and ISO/IEC 11801 Class E_A component requirements.
- Hubbell Cat6 U/UTP, Cat6_A S/FTP and Cat7 S/FTP install cables comply with Construction Product Regulations (CPR) achieving B2ca, Cca and B2ca classes respectively.
- NEXTSPEED® components are backed by Hubbell's 25 Year applications assurance warranty.
- Full range of products including installation cable, patch cords, jacks and patching frames.
- NEXTSPEED® Cat 6_A Ascent Jacks feature noise proximity suppression to eliminate high density side-by-side configuration limitations.
- NEXTSPEED® Ascent Patch Cords have slim boot support for easier handling in side-by-side high density applications.
- Hubbell provide high-quality end-to-end fibre solutions to support a wide range of cabling applications.
- Hubbell are renowned for their high reliability cable assemblies, providing a variety of fan-out trunks including LC-LC, MPO-MPO and MPO-LC.
- Fibre patch cords are available for OM1, OM2, OM3, OM4 and OS2 fibres, with OM3, OM4 and OS2 being bend-insensitive and supporting 10GbE applications.
- All patch cords are factory polished and 100% tested for superior performance.
- Hubbell OptiChannel High Density enclosures offer a 144 port per 1U configuration and utilise OCLCHD series cassettes.
- Hubbell provide pigtailed for LC, SC, FC and ST styles in Single Mode and Multi Mode fibre types.
- Hubbell PROclick® fusion splice connectors provide a quick and easy way to obtain a no-polish field termination for LC and SC connections.



Structured Cabling Infrastructure

Fibre Splicing



- Fujikura is a leading manufacturer of fusion splicers and fibre cleavers designed to produce the high-quality splices required by modern fibre networks.
- Fujikura fusion splicers are resistant to shock, dust and moisture.
- The Fujikura 70S fusion splicer is designed for single fibres and features a built-in tube heater, automated wind protector and sheath clamps that can be automatically raised to aid fibre removal.
- Fujikura 12S is a small, lightweight and flexible fusion splicer that can be used in a sling to splice on the go.
- Fujikura CT-30, CT-32 and CT-38 fibre cleavers prepare the fibres to provide consistently good results.
- Spares such as cleaver blades, splicer clamps, electrodes and heat shrink protection sleeves are also available.

Network Cable Testing



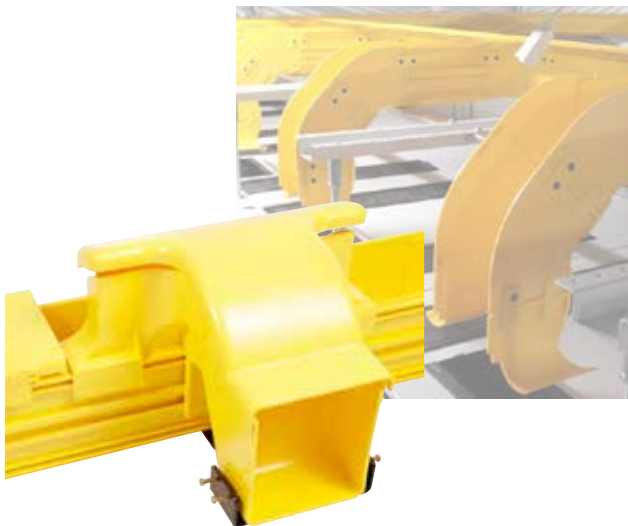
- Cable testers enable the network cabling installation to be checked to ensure it meets the required standards, and helps to identify faults.
- Leading solutions available from Softing (Psiber Data) and OWL.
- The FiberXpert OTDR 5000 measures, documents and troubleshoots fibre optic networks.
- The WireXpert 4500 network cable certifier is not only able to test up to Class F_A and CAT8 copper cabling, but through optional adapter kits it can test SM, MM and MPO/MTP® fibre networks, along with kits for testing coax and M12 industrial Ethernet cable.
- The FiberOWL 4 Bolt Quad a light source and power meter set, capable of testing both Single Mode and Multi Mode fibre networks.
- The OWL WaveTester kit provides an economical way to test fibre networks.
- The OWL Precision Coupled VFL tester is a lightweight VFL tester that can locate breaks and micro-bends in fibre optic cables.



Fibre Containment & Cable Pathways



- Steel wire-welded cable basket trays are still the most popular way to support fibre and copper data cabling.
- EDP basket tray can be ordered in any RAL colour with a high quality powder coat finish.
- Available in 3 metre lengths and in a range of widths and depths.
- Range of quick attachment accessories that are easy to install.



- Designed to perfectly route, isolate and protect fibre optic network cables.
- Made from PC/ABS.
- LSFH™, ROHS, UV and heat-resistant.
- Flame retardant (UL94/V0), and resistant against electrical shock.
- The bright yellow colour ensures that the ducting is highly visible.
- Reduces risk of macro-bending and micro-bending of the fibre optic cables.

Structured Cable Protection



- Abesco CT120 & CT240 Fire Clamp Cable Transit pathways are fire stop barriers designed to prevent the spread of fire and smoke.
- Range consists of square and round models.
- Easy to install before and after cabling.
- Cable Lay protects cables from sharp edges, rough surfaces and chemical & water penetration.
- Wide range of roll lengths and widths.



Power Distribution & Management

Power Distribution Units (PDUs)

edp



- Range of high quality, affordable basic power distribution units.
- Models available with UK, IEC-C13, locking IEC-C13, IEC-C19 or Schuko sockets.
- Supplied with 3m mains lead as standard.
- Available in 16Amp or 32Amp, with a variety of termination options including UK, IEC, Schuko or Commando plugs.
- Custom built with a range of options available including: Master fuse, Mini Circuit Breaker (MCB), Residual Current Device (RCD), individually fused C19 & C13 outlets and digital ammeter.



- 3 Phase PDUs available for high consumption equipment.
- 3 Phase input can be configured with single style or a mixture of outlets per phase.
- Overall current rating can be to 16, 32 or 63Amps.
- Branch circuit protection is offered as either integral fuse or individual re-settable thermal trip per outlet.
- Available in both vertical or horizontal formats.



- Custom built power solutions facilitates specially designed power systems to meet individual requirements.
- Specials include Power Splitter box that takes a 63A or 32A power feed and splits it into multiple output feeds.
 - Split a 63A feed into 2 x 32A outlets or 4 x 16A outlets.
 - Split a 32A feed into 2 x 16A outlets.
 - Power splitter box is housed in a robust steel free standing case or can be supplied in a 4U 19" rack mounted enclosure.



Intelligent PDUs

iPower2



- Range of UK manufactured & supported intelligent PDUs.
- Models available that provide remote switching, monitoring of the entire strip, or monitoring to outlet level.
- Managed via SNMP / HTTP and RS485 Mod-Bus.
- Individually fused IEC outlets.
- Up to 48 outlets per unit.
- Each master unit (IP address) supports a further 31 secondary units.
- Supplied SNMP software supports up to 50 master units, that's 1,600 PDUs or 76,800 sockets.
- Choice of UK, IEC C13 / C19 or Schuko sockets.
- Local digital display provides an array of monitored readings.
- Optional environmental module provides temperature, humidity, dry contact and door security monitoring.
- Also available in 3 phase.

iPowerLITE



- iPower LITE is a cost effective, entry level intelligent PDU that provides a local and remote power monitoring solution.
- iPower LITE intelligent PDUs are fully compatible with existing iPower PDUs and utilise the same HTML/SNMP web browser and software applications.
- Provides overall energy measurement, with e-mail alerts on all set parameters.
- Monitor multiple PDUs on a single IP address.
- Easily configured and setup in minutes.
- Range of socket options.
- Available in vertical or horizontal mounting options.



Power Distribution & Management

Power & Environmental Monitoring

edp MIDMeter



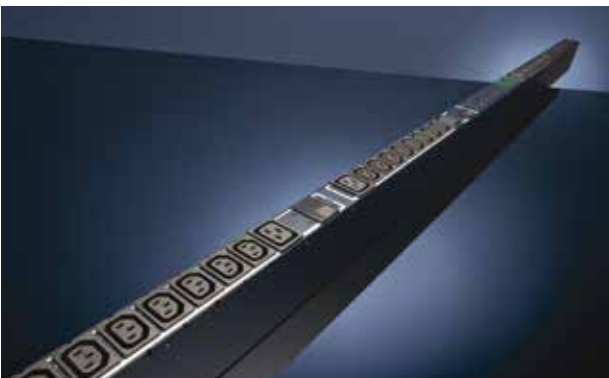
- EDP MIDMeter PDUs meet the EU Measuring Instrument Directive (MID) legislation that governs meters used for billing energy.
- Custom built PDUs can be vertical or horizontal formats with single or dual feeds each with their own MID meter.
- Meters provide dual point metering enabling access via DCIM systems and a Cloud based monitoring and reporting platform.
- The Cloud based software package provides access to realtime measurements of kW hours, power factor efficiency and other active and reactive power information, enabling clients to manage their own consumption.

Jakarta



- iMeter® is an extremely flexible, scalable and an incredibly powerful power and environmental monitoring solution.
- intelliAmp® Sensor is fitted to power cables and monitors power consumption.
- iMeter® system can monitor up to 600 sensors from a single IP address.
- Can be installed without network downtime.

Server Technology
Quality Rack Power Solutions



- Server Technology is a leading provider of intelligent PDUs developed for the Data Centre environment.
- Range of PDUs includes models that provide:
 - Power monitoring of entire PDU and down to outlet level.
 - Switched PDUs for power management via IP.
 - Basic power units and 3 Phase PDUs.
 - Sentry Power Manager management solutions.



UPS



- The Riello UPS brand is a world leader in the uninterruptible power supplies market.
- Riello UPS models are classified to 6 levels of energy efficiency known as the ECO Energy Level and respects the European Code of Conduct.
- Riello UPS offers a vast range of products, organised into 22 ranges of uninterruptible power supplies (UPS), based on several different state-of-the-art technological architectures.
- Single phase and three phase UPS from 400 VA to 6.4 MVA, for applications ranging from home offices to large industrial plants to data centres.

Popular data centre models include:

- **Master HE** - A High Efficiency 3-Phase UPS available from 100 to 800kVA.
- **Multi Power** - A modular 3-Phase UPS designed to protect critical high-density computer and IT equipment with a power range from 75 to 294kVA.
- **Multi Sentry** - Ideal for data centre and telecommunication applications, it provides 3-Phase and single phase input to single phase output or 3-Phase to 3-Phase with models ranging from 10kVA to 20kVA.
- **Vision Dual** - A single phase UPS that can be used as a tower or rack mounted thanks to its remove and rotate LCD panel. Models available from 1100 to 3000VA.



Environment Monitoring & DCIM

Environmental Monitoring



- Geist provide a comprehensive range of environmental monitors.
- Monitor conditions and issue alerts when thresholds are exceeded.
- Models start with a basic temperature and humidity environment monitor and extends to a full environmental monitoring system that can also monitor airflow, water and dry contacts.

Jacarta



- Jakarta interSeptor Pro provides an advanced, environmental monitoring solution.
- Three models available with 8, 16 or 24 environmental ports.
- Supports up to 24 temperature / humidity sensors, with provision to connect up to 48 optional Go-Probe sensors (water, smoke, security, power, etc.)

Sensorium™ DCIM Solution



- Sensorium™ is a powerful, flexible and cost effective DCIM solution.
- Modular Data Centre Infrastructure Management system built around web components that enables the building of bespoke customer, department or operator focused dashboards and home screens.
- Create dynamic icon floor plans that display both the physical location, operating and alarm status's of the IT cabinets using a traffic light red, amber and green system.
- Display live data from multiple sources on a single screen.
- Powerful reporting engine, offers the ability to produce real-time and historical reports.



Data Centre Peripherals

Server Lifters



- EDP Server Lifters are ideal for manoeuvring servers and other IT equipment around the data centre.
- Models available in either battery or manually operated, with cantilever options available.
- Full range of models with differing height reaches and weight capacities.
- Provides greater operator protection, reducing the risk of injury.
- New Slim-Line range of battery operated server lifters.
- Two series Slim-Line Lite and Slim-Line HD.
- Slim-Line Lite is a lightweight server lift that offers manoeuvrability, intuitive control and stylish appearance, and lift capacities of up to 90Kg.
- The Slim-Line HD is a range of heavy duty battery server lifts with lifting weight capacities of up to 200Kg.

Computer Crash Carts



- EDP lightweight mobile crash cart made from aluminium alloy for a neat and artistic appearance.
- Easily manoeuvrable and stable thanks to five wheel base of which three lock.
- Height adjustable monitor and keyboard tray, suits standing or seated work positions.
- Various models of Ergotron® crash carts available.
- Easily adjusted working position from standing to seated position.
- Some models have large worksurface areas, while others have lockable drawers.



Server Management

KVM Switches, Extenders & Consoles

**AUSTIN
HUGHES**



- Austin Hughes KVM Console Drawers provide local rack access to servers.
- Can either be attached directly to servers or existing KVM switches.
- Alternatively can have an Austin Hughes KVM switch integrated within the unit.
- Wide range of switch & console models.
- Support for a range of platforms including PC and Sun.

Raritan
A brand of **legrand**



- Raritan provide a range of digital and analogue KVM switches to enhance server management.
- Dominion® IP solutions provide KVM and Serial over IP remote access.
- High level of security.
- Dominion® KX3 provides high quality 1080p video.
- Raritan also provide intelligent PDU solutions that can be integrated to the Dominion® KVM solution.

**ROSE
ELECTRONICS**



- Rose Electronics provide a number of KVM and AV solutions including KVM switches, KVM extenders and advanced AV distribution solutions.
- KVM extender solutions for back office environments over CATx, fibre or IP.
- Xtensys multi-user analogue matrix KVM solution.
- Specialist video distribution switches for displaying multiple video sources on one screen using VGA, DVI or HDMI.
- Solutions for video walls and crosspoint video routing.

Media Storage & Transportation



Open Media Storage Racking

edp



- Open rack media storage solutions that include: Maximiser, Quad Rac and Multimedia Racks.
- Maximiser & Quad Rac provide storage for 3590 style tapes, DLT or LTO.
- Quad Rac has increased capacity due to the addition of four one pac wide sliders.
- Multimedia Racks offer a wider range of media types, in pacs compatible with Multimedia Extreme.
- Multimedia Extreme for high density storage of 4mm, 8mm, DLT, LTO, CD and Optical Disk.
- Base units are either single sided racks for attaching to a wall or as double sided racks for creating aisles.
- Extra capacity via the addition of a slider unit.

Lockable Media Storage

russebassett



- ProMedia cabinets provide secure, enclosed, storage for many types of media tapes.
- Media is stored securely in drawers by Slide-N-Lock dividers, or wire trays.
- Available in 3 heights, and 2 widths, with 5 data and 2 file drawer heights.
- Optional capacity on 1,219mm (48") wide ProMedia cabinets via Overfile unit.
- Overfile stores media in vertical drawers.
- Gemtrac is a high density enclosed media storage solution.
- Gemtrac consists of two large cabinets with vertical drawers that slide out on an interconnecting overhead track.
- Overhead track keeps aisle free as there is no track on the floor.
- Quick access to thousands of stored tapes from one position.
- Two cabinet heights with 5 drawer widths.



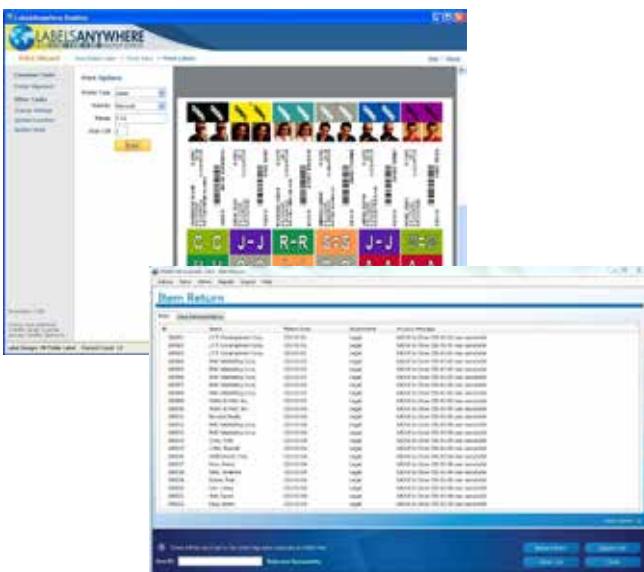
Transit Cases



- Turtle cases provide secure storage for media while it is being transported, and protects tapes from mechanical impacts, temperature and / or humidity extremes, debris from foreign contaminants, airborne debris and electrostatic discharge.
- A double wall construction that absorbs impact so reducing shock to tapes.
- Made from a special high density polyethylene construction that is lightweight but incredibly durable.
- Unique moulded dividers create individual media specific slots, that are sized to the exact dimensions of each media type.
- Available for a wide variety of media tapes including Hard Drives, DLT, SDLT, LTO, 4mm, 8mm, 3592 and more.
- Lockable for added security.
- ATA certified waterproof cases available.
- The cases have an automatic pressure relief valve and are ATA certified.
- Cases have an effective seal making them waterproof and dustproof.



Document Management & Tracking



- LabelsAnywhere on-demand label printing software package for the production of colour coded barcode strip labels.
- Makes file identification and handling easier, and quicker.
- One label contains all information.
- MasterTrak Essential controls and tracks the movement of your filing assets.
- High Density Storage Allocation Module (HDSA) allows users to efficiently track and store items in carousels and high density storage.
- Easily track the location of files and conduct audits of items.

EDP Europe

We're Not Just About Great Products

Whilst EDP Europe work with market leading companies to offer our clients the best product solutions for their IT Room and Data Centre requirements there's much more that EDP Europe has to offer to our clients.



Design & Construction

- EDP Europe takes a consultative approach to assisting our clients with making informed decisions at the inception of a project.
- Early engagement with end clients, their consultants, architects & principal contractors.
- Capabilities to support decisions relating to building fabric: cooling methodology (e.g. HAC), structured cabling design, raised access floors and cabinet layout.



Cooling Optimisation & Energy Efficiency

- EDP Europe has extensive experience in helping our clients improve the performance of their cooling systems, drive efficiency and reduce operational costs.
- Our experts can help identify airflow management improvements at raised floor, rack, row and room levels (4Rs).
- Provide standard and bespoke solutions for both new build and legacy IT environments.



Integrated Supply Chain Services

- Materials consolidation, kitting & staging of equipment required for a project.
- Off-site configuration services – build and commissioning of racks for delivery to site on demand ready to 'plug & play'.
- Site installation support services supporting the deployment of equipment at destination.

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