

Data Centre & Communications Room 19" Fibre Panel Solutions



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Data Centre & Communications Room

Fibre Patch Panels

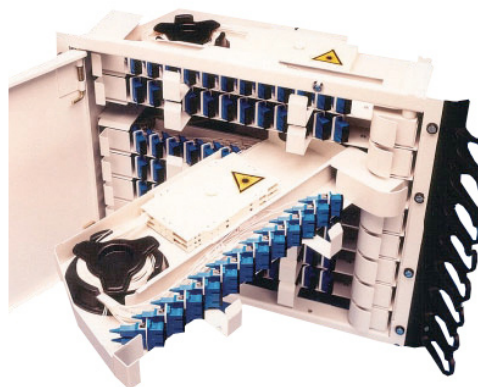
TrueNet® Fibre Distribution Unit

The ADC KRONE TrueNet Fibre Distribution Unit (FDU) is suited for use as an Enterprise network entry point to protect the most sensitive networks.

The trays pivot out from the left hand side of the frame, providing easy access to a splicing area, whilst controlling minimal movement of the patch cords and the incoming cable.

Each FDU is supplied with a lockable external door to prevent accidental intrusion into the patching bay area. Jumper rings are fixed to the side of the FDU to offer primary support to patchcords entering the panel.

Each adaptor position is angled for enhanced bend radius management of pig tails and patch cords, and added laser eye safety.



Features

- Modular design
- Available in 1 or 6 tray units
- Easily accessible terminations
- SC connector types
- Angled adapter plates provide enhanced bend radius management for both pigtails and patchcords
- Quicker to fit than individual 1U panels
- Spool provided for excess pigtail length storage
- Lockable door for restricted access
- Vertical jumper rings

Ordering Information

Description	Catalogue Number
TrueNet FDU, 1 Tray, With SC Adaptors and 24 OS1 Pigtails	7032 1 134-00
TrueNet FDU, 1 Tray, With SC Adaptors Only	7032 1 134-02
TrueNet FDU, 1 Tray, With SC Adaptors and 144 OM1 Pigtails	7032 1 134-07
TrueNet FDU, 6 Tray, With SC Adaptors and 144 OS1 Pigtails	7032 1 135-00

TrueNet® Fibre Distribution Unit

Product Details

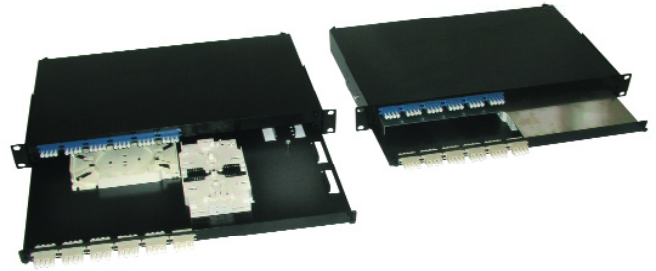
	1 tray	6 tray
Dimensions (mm) H/W/D	1U/482.6/240	7U/482.6/210
Typical weight (Metalwork only)	2.05 kg	12.2 kg
Materials	Zintec	Zintec
Paint finish/ texture	Light grey epoxy polyester powder coat – NCS 1502Y. Fine texture	

Connector Specifications

	SC Duplex
Insertion loss	< 0.5dB typ. 0.2 dB
Return Loss	Multimode PC polishing > 40 dB Singlemode UPC polishing > 50 dB
Repeated matings	1000 min.
Tensile strength	100 N (cable)

TrueNet® 24 Port Metal Split Patch Panel

The TrueNet 24 Port Metal Split Patch Panel from ADC KRONE is a modular patch panel offering the versatility to select differing modes of connectivity in the same 1U housing. The unique design brings the benefit of minimal down time and disturbance to neighbouring Optical LAN's through the split panel approach.



For many years it has been recognised that on-site splicing can cause faults on adjacent fibres. To minimise this, fibre management protocol demands less fibre splices per location so reducing the opportunity for upgrade derived installation faults.

The 7033 1 015-XX family of Split Patch Panels has been designed with this in mind whilst still delivering a high level of port density per single 'U' spacing.

The versatile connectivity selection (LC and MT-RJ), allows interfacing to both legacy 1GigE and new 10GigE networks using small form factor connectors. A unique Split Tray design reduces disturbance to neighbouring optical channels by reducing the number of parallel splice points in a 1U bay. Internal cable management protects splices and pigtails from lateral damage whilst maintaining the bend radius for optimal data packet throughput.

An 'Anti Tamper' lid is screwed to each tray preventing accidental intrusion into the splice bay area by operators or technicians.

Forms the basic design for ADC KRONE's Intelligent Patching solution, so offers a later upgrade path with minimal network re-design.

Features

- Per port labelling
- Reinforced stainless steel casing
- Fibre connectivity:
 - 24 x MT-RJ, or
 - 24 x LC – Multimode or single mode
- Anti-tamper lid screwed to each tray
- 2 discrete trays (2x12 outlets)
- Internal cable management
- Covered by the TrueNet System Warranty

Applications:

- Multi-dwelling units (MDU's)
- Campus LAN
- Optical cross connects

Ordering Information

Description	Catalogue Number
Split Patch Panel, 2 Trays MT-RJ	7033 1 015-00
Split Patch Panel, 2 Trays LC Multimode	7033 1 015-02
Split Patch Panel, 2 Trays LC Singlemode	7033 1 015-01

24 Port Metal Split Patch Panel

Specifications

Width:	19"
Depth:	270mm
Height:	1U
Weight:	3.6Kg
Materials:	Zintec – powder coated black RAL 9011
Number of trays:	2 discrete (1U height)
Capacity:	48 fibre max (LC/MT-RJ)
Connector system:	LC/MT-RJ
Cable management:	Internal

Connector Specification

Connector	Characteristic	Singlemode	Multimode	Operating Temperature	Storage Temperature
LC	Sleeve Material	Ceramic	Phosphor Bronze	-40 ~ +75°C	-55 ~ +85°C
	Typical Insertion Loss, dB	0.2	0.3		
MT-RJ	Typical Insertion Loss, dB	0.2	0.2		

Environmental Standards

- EN 6008-2-2
- IEC 68-2-27
- IEC 68-2-6
- IEC 68-2-14
- IEC 68-2-3
- ISO/IEC 11801:2002

TrueNet® Fibre Optic 1U Plastic Patch Panel

The TrueNet® Fibre Optic 1U Plastic Patch Panel from ADC KRONE is an integral part of the TrueNet system, providing a versatile and integrated approach to the management of optical patching. Constructed from a PC-ABS compound the panel is both lightweight and robust enough to be used as a substitute for metal solutions.



As modern businesses place more emphasis on their IT infrastructure to deliver mission critical objectives, the demand for bandwidth in the campus and the backbone has intensified. Already successfully deployed in LANs across the globe the Plastic Patch Panel supports many different types of connectivity, including the industry standard LC and SC for 10 Gigabit Ethernet (10GigE) transmission.

Available loaded with Multimode or Singlemode pigtails, splice accessories and adaptors, the solution provides an optical channel that is guaranteed to be compliant with the ISO11801 International Standard for Structured Cabling.

Features

- Available as a complete build with pigtails and splicing accessories:
 - Ensures component compliant product is used in the channel
 - One part number for complete product, simplifying the ordering process
- Available with multiple adaptor types for interfacing between old and new infrastructure builds: MT-RJ, SC, ST, and LC
- 1U high sliding panel for ease of access and standard deployment into 19" racks
- A PC-ABS construction means that the tray is both lightweight whilst retaining mechanical strength
- Internal cable management protects splices and pigtails from lateral damage whilst maintaining the bend radius for optimal data packet throughput
- UL94 V-0 flammability rating, allows usage within buildings
- Easily recessed to increase clearance between the adaptors and cabinet doors preventing patch cord damage
- 4 rear access points for standard structured cabling or blown fibre tubes
- Black or grey construction can be used to visually identify an optical network in a fully loaded rack
- Covered by the TrueNet System Warranty

TrueNet® Fibre Optic 1U Plastic Patch Panel

Ordering Information

Description	Catalogue No.*
Plastic Patch Panel – loaded with adaptors only	
Fibre Patch Panel – 04/08/12/24 Port MT-RJ GY	7033 1 076-xx
Fibre Patch Panel – 04/08/12/24 Port SC Duplex GY	7033 1 080-xx
Fibre Patch Panel – 04/08/12/24 Port ST GY	7033 1 082-xx
Fibre Patch Panel – 08/24 Port LC/UPC GY	7033 1 084-xx
Fibre Patch Panel – 04/08/12/24 Port SM SC Duplex GY	7033 1 101-xx
Fibre Patch Panel – 04/08/12/24 Port LC/mm GY	7033 1 103-xx
Fibre Patch Panel – 04/08/12/24 Port – MT-RJ BK	7033 1 176-xx
Fibre Patch Panel – 04/08/12/24 Port – SC Duplex BK	7033 1 180-xx
Fibre Patch Panel – 04/08/12/24 Port – ST BK	7033 1 182-xx
Plastic Patch Panel – equipped with pigtails, adaptors and crimp splice holders	
Fibre Patch Panel – 12/24 Port SC OM1 GY CRMP	7033 1 274-xx
Fibre Patch Panel – 24/48 Port LC OM1 GY CRMP	7033 1 275-xx
Fibre Patch Panel – 12/24 Port SC OM1 BK CRMP	7033 1 276-xx
Fibre Patch Panel – 24/48 Port LC OM1 BK CRMP	7033 1 277-xx
Fibre Patch Panel – 12/24 Port SC OS1 GY CRMP	7033 1 278-xx
Fibre Patch Panel – 24/48 Port LC OS1 GY CRMP	7033 1 279-xx
Fibre Patch Panel – 12/24 Port SC OM3 GY CRMP	7033 1 270-xx
Fibre Patch Panel – 24/48 Port LC OM3 GY CRMP	7033 1 271-xx
Fibre Patch Panel – 12/24 Port SC OM3 BK CRMP	7033 1 272-xx
Fibre Patch Panel – 24/48 Port LC OM3 BK CRMP	7033 1 273-xx
Fibre Patch Panel – 12/24 Port SC OM2 GY CRMP	7033 1 254-xx
Fibre Patch Panel – 24/48 Port LC OM2 GY CRMP	7033 1 256-xx
Fibre Patch Panel – 12/24 Port SC OM2 BK CRMP	7033 1 255-xx
Fibre Patch Panel – 24/48 Port LC OM2 BK CRMP	7033 1 257-xx
Plastic Patch Panel – equipped with pigtails, adaptors, and heat shrink splice holders	
Fibre Patch Panel – 12/24 Port SC OM3 GY H/S	7033 1 263-xx
Fibre Patch Panel – 12/24 Port SC OM3 BK H/S	7033 1 262-xx
Fibre Patch Panel – 24/48 Port LC OM3 GY H/S	7033 1 265-xx
Fibre Patch Panel – 24/48 Port LC OM3 BK H/S	7033 1 264-xx
Fibre Patch Panel – 12/24 Port SC OM1 GY H/S	7033 1 267-xx
Fibre Patch Panel – 12/24 Port SC OM1 BK H/S	7033 1 266-xx
Fibre Patch Panel – 24/48 Port LC OM1 GY H/S	7033 1 269-xx
Fibre Patch Panel – 24/48 Port LC OM1 BK H/S	7033 1 268-xx
Fibre Patch Panel – 12/24 Port SC OS1 GY H/S	7033 1 259-xx
Fibre Patch Panel – 12/24 Port SC OS1 BK H/S	7033 1 258-xx
Fibre Patch Panel – 24/48 Port LC OS1 GY H/S	7033 1 261-xx
Fibre Patch Panel – 24/48 Port LC OS1 BK H/S	7033 1 260-xx
Fibre Patch Panel – 12/24 Port SC OM2 GY H/S	7033 1 250-xx
Fibre Patch Panel – 12/24 Port SC OM2 BK H/S	7033 1 251-xx
Fibre Patch Panel – 24/48 Port LC OM2 GY H/S	7033 1 252-xx
Fibre Patch Panel – 24/48 Port LC OM2 BK H/S	7033 1 253-xx

*please substitute xx with the number of ports required

TrueNet® Fibre Optic 1U Plastic Patch Panel

Applications

- Campus links
- Backbones
- Secondary communication room through coupling
- Primary communication room cross patching
- Data Centres
- Blown fibre networks

Specifications

Optical performance*	OM1, OM2, OM3, and OS1 in accordance with ISO11801.
Optical core sizes*	OM1 62.5µm, OM2 50µm, OM3 50µm, OS1 9µm.
Pigtail colours*	OM1 grey/blue** OM2 orange OM3 violet OS1 yellow
Adaptor sleeve construction	Multimode phosphur bronze, casing beige Singlemode ceramic, casing blue
Pigtail sheathing	PVC
Pigtail length	1m
Fire rating	UL94 V-0
Material composition***	PC-ABS
Splice housing	40mm heat shrink or mechanical splice joint
Environmental standards:	EN6008-2-2 IEC 68-2-14 IEC 68-2-6 IEC 68-2-27 IEC 68-2-3
Dimensions:	19" (width) x 1U (height) x 270mm (depth)
Colours:	Black/grey
Weight***	1.14Kg

*Refers to panels ordered as 'pre-loaded' only

**Semi tight buffered pigtails only

***Tray construction only, without pigtails, adaptors and splicing accessories