

High Density Fibre Patch Panel

APPLICATION

The Brand-Rex High Density Fibre Patch Panel offers the ultimate solution for management of fibre in data centres and telecoms rooms. This is a market leading product, designed with an emphasis on minimisation of on-site installation times, accessibility to cabling and modularity to enhance its flexibility during operation. The panel is a hybrid of metal and plastic providing a robust secure construction while still offering fully integrated and flexible fibre management. The 1U 48 Port Panel facilitates cord routing directly into the rack vertical side management, thus increasing rack density and easing undue stresses on the cords. It is designed to pivot and hinge providing the control and security of a fixed panel but also allowing for increased access and usability.

FEATURES

- Built for the Brand-Rex High Density Fibre cabinet
- 17" and 19" Frame Compatible
- 48, clearly labelled Ports in 1U - using unique ½U trays
- Innovative design using angled adapters for ease of fibre management
- Fully integrated fibre & splice management, no need for multiple splice cassettes
- Unique, patent pending, pivoting, sliding & hinged tray
- 35mm Minimum Bend Radius maintained throughout fibre management system
- Accommodates loose tube & standard buffered fibre
- Clear hinging lid to allow visibility within tray without the need to remove any parts.
- Reduced installation time
- Simple 'push in' Splice Protector retaining features.
- Network installations made easy
- Provides the security and robustness of a fixed unit but also the accessibility and usability of a removable unit



ORDER INFO

Brand-Rex Part Number	Item Description	Colour	Weight per Item (nom)	Qty per Pack
FPCPC1XMM48LC2	High Density Fibre Management Panel, 48 LC ports, 1U dual cassette, part loaded with 12x quad LC multimode adaptors & glands	Black	2.5kg*	1
FPCPC1XSM48LC2	High Density Fibre Management Panel, 48 LC ports, 1U dual cassette, part loaded with 12x quad LC singlemode adaptors & glands	Black	2.5kg*	1

*Loaded with pigtails

ACCESS



The HDF Panel provides 48 ports in 1U with unique ½ U trays. These ½ U trays can be accessed individually, therefore up to 24 ports can be used independently. The unit contains angled adaptors to ease patch cord management with tray in situ or hinged open. This system also ensures there is no need to remove the panel from the rack to dress and work on the splices thus resulting in tray connectors remaining undisturbed in a live situation.

The unique design incorporates a ‘Pivot’, ‘Slide’ and ‘Hinge’ system aimed at eliminating potential fiber failure points.



The ‘Pivot’ operation controls and minimizes movement on the fibre at the rear cable entry point.

The ‘Slide’ action along the pivot point to provide sufficient clearance from the patch cords above and below, prior to activating the hinge.

The ‘Hinge’ feature provides increased accessibility, particularly applicable in the top half of a cabinet. The angle at which the tray hinges is restricted to 60° ensuring patch cords below are fully protected.

Internally the tray provides fully integrated fibre and splice management, negating the need for multiple splice cassettes or accessories. Up to 24 fibres can be accommodated in a pathway that supplies space for up to 2m excess fibre and pigtails. A minimum bend radius of 35mm is maintained throughout this management system. The fibre is fully protected and secured, initially through the use of multiple containment tabs and secondly through the transparent fixed lid.



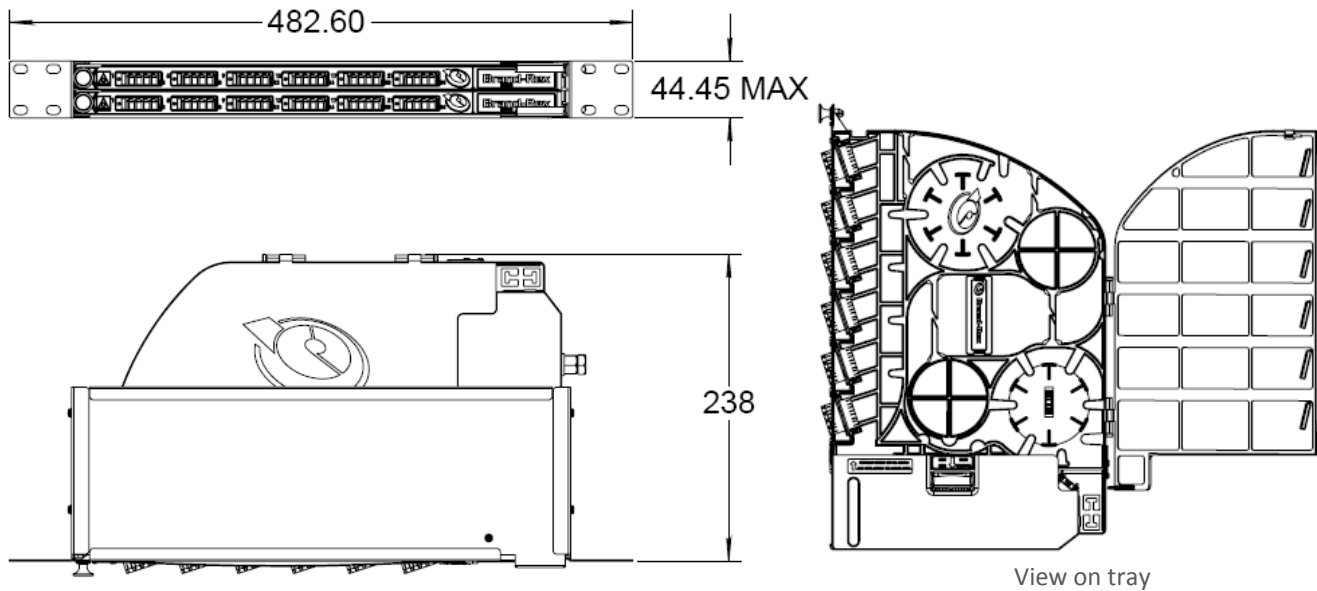
Combine this panel with the Brand-Rex High Density Fibre Cabinet and your High Density Cabling solution is complete. The panel and cabinet were designed in parallel therefore complement each other, resulting in an increased rack density saving valuable space but also offering a panel that eases bending stresses on the fibres while maximising performance.



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Datasheet: GD062738 v5

PHYSICAL CHARACTERISTICS



APPLICATIONS

- Small, corporate and internet data centres
- Conventional, backbone cabling installations

PACKAGING

- Panels are individually boxed complete with quad LC multimode adapters as standard.

INSTALLATION

- Suitable for use in Brand-Rex approved 17" and 19" cabinets
- Suitable for use with Brand-Rex approved patch cords, panels and cable management products

"Brand-Rex is dedicated to designing, developing and manufacturing sustainable high performance structured cabling and speciality cabling solutions"

The information contained in this document is valid and correct at the time of issue. Brand-Rex reserves the right to modify details without notice in light of subsequent standard/specification changes and ongoing technical developments.