

Modular Industrial Patch Panel - MIPP

Combines both copper and fiber cable termination in one future-proof solution

The MIPP is designed for harsh environments, where its robust construction and high port density with multiple connector types make it ideal for installation in industrial networks.



Maximum system flexibility & versatility by combining copper and fiber management in one patch panel.



Highest level of reliability due to its solid metal construction, designed for use in indoors industrial environments without a cabinet.



Quick and easy installation of structured cabling to reduce installation costs (CapEx) and maintenance costs (OpEx).

Key Features

- High port density: up to 72 fibers and 24 copper cables
- LC, SC, ST and E-2000 fiber duplex adapters
- Support singlemode and multimode fibers
- Double fiber module accommodates hybrid fiber cables
- RJ45 copper keystone jacks (shielded and unshielded, CAT5E, CAT6, CAT6A)
- RJ45 copper coupler (shielded and unshielded, CAT6A)
- RJ45 copper Industrial REVConnect jacks (shielded and unshielded, CAT6A)
- RJ45 copper Industrial REVConnect couplers (unshielded, CAT6A)
- Module can be removed from housing for easy cable installation
- 100% factory tested pre-terminated MPO cassette for fast, reliable fiber installation
- Wide temperature range from -20 °C to +70 °C
- UL approval (UL 1863)







MIPP Mix



MIPP: A Versatile, Modular Patch Panel for Industrial Applications

The MIPP provides the ideal connection between Belden cables and Hirschmann switches. Its industrial modular design is suitable for industrial applications where active devices or end devices must be connected to infrastructure cabling.

It can easily be mounted on a DIN Rail, or attached at the sides of the cabinets by simply using a wall mount plate.

The MIPP Pre-Terminated MPO Cassette is 100% tested during manufacture. No need to splice, cleave or polish when installing on the plant floor.

The MIPP is available as both single and double modules:

- Single Fiber Modules (up to 12 fiber connections)
 - 6 x SC duplex adapters
 - 6 x LC duplex adapters
 - 6 x ST duplex adapters
 - 6 x E-2000 duplex adapters
- Single Copper Modules
 - 2 or 4 x RJ45 keystone shielded
 - 2 or 4 x RJ45 keystone unshielded
 - 2 or 4 x RJ45 coupler shielded
 - 2 or 4 x RJ45 coupler unshielded
 - 2 or 4 x RJ45 Industrial REVConnect jack shielded
 - 2 or 4 x RJ45 Industrial REVConnect jack unshielded
- 2 or 4 x RJ45 Industrial REVConnect coupler unshielded
- Double Fiber Modules (up to 24 fiber connections)
 - 12 x SC duplex adapters
 - 12 x LC duplex adapters
 - 12 x ST duplex adapters
 - 12 x E-2000 duplex adapters

Applications and Markets

The MIPP is ideal for use in a wide range of industrial applications requiring maximum system reliability and flexibility. The industrial design makes it highly suited for use in Machine Building, Transportation, Alternative Power Generation, Oil & Gas, and Power Transmission & Distribution markets, as well as more general use in enterprise, buildings and other applications.



Technical Information

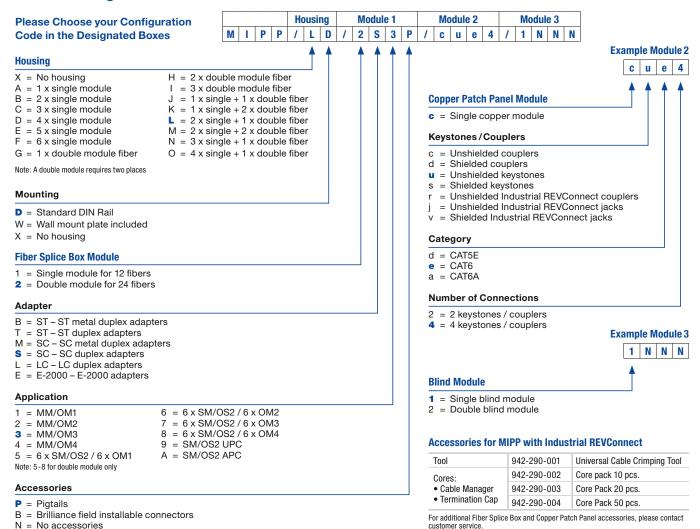
Housing Type and Descript	tion					
Description	Modular Industrial Pa	tch Panel, DIN Rail				
Number of Single Modules	1	2	3	4	5	6
Mechanical Construction		'				·
Material Housing	Aluminium					
Dimensions (WxHxD)	42 x 138 x 122 mm	72 x 138 x 122 mm	102 x 138 x 122 mm	132 x 138 x 122 mm	162 x 138 x 122 mm	192 x 138 x 122 mm
Dimensions with Adapters and Gland, max. (HxD)	165 x 133 mm	165 x 133 mm	165 x 133 mm	165 x 133 mm	165 x 133 mm	165 x 133 mm
Mounting	DIN Rail					
Appr. Weight Housing	360 g	530 g	697 g	865 g	1034 g	1200 g
Dimension Wallmount Plate (WxH)	38 x 157 mm	68 x 157 mm	98 x 157 mm	128 x 157 mm	158 x 157 mm	188 x 157 mm
Appr. Weight Wallmount Plate	67 g	119 g	172 g	223 g	277 g	329 g

Technical Information

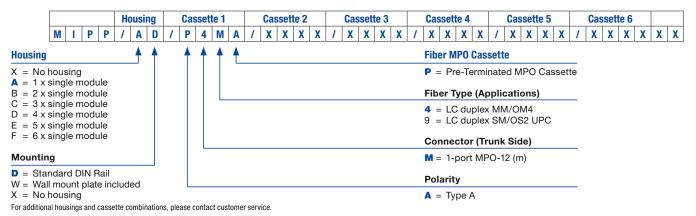
		MIPP Fibe	r Splice Box		MIPP Coppe	r Patch Panel
Туре	Single Module	Single Module	Single Module	Single Module	Single Module	Single Module
Description	6 x SC Duplex	6 x LC Duplex	6 x ST Duplex	6 x E-2000 Duplex	4 x RJ45 Keystone Jack, Unshielded	4 x RJ45 Coupler, Unshielded
Mechanical Construction	n					
Material	Steel					
Adapter/Keystone Types	Blue SC adapter OS2 UPC zirconia ceramic Beige SC adapter OM1/OM2 PC phosphor bronze Aqua SC adapter OM3/OM4 PC zirconia ceramic	Blue LC adapter OS2 UPC zirconia ceramic Beige LC adapter OM1/0M2 PC phosphor bronze Aqua LC adapter OM3/0M4 PC zirconia ceramic	Blue ST adapter OS2 UPC zirconia ceramic Beige ST adapter OM1/OM2 PC phosphor bronze Aqua ST adapter OM3/OM4 PC zirconia ceramic	Blue E-2000 adapter OS2 UPC zirconia ceramic Beige E-2000 adapter OM1/0M2 PC zirconia ceramic Aqua E-2000 adapter OM3/0M4 PC zirconia ceramic	CAT5E Modular Jack, Keyconnect, black CAT6+ Modular Jack, Keyconnect, black CAT6A/10GX Modular Jack, Keyconnect, Jack, Keyconnect, black CAT6A/10GX Industrial REVConnect Jack, black	CAT6A/10GX Modula Jack, Keyconnect Couple, black CAT6A/10GX Industr REVConnect Coupler black
Appr. Weight Module	218 g	218 g	218 g	218 g	516 g	516 g
Protection Class	IP40	IP40	IP40	IP40	IP20	IP20
Cable Entry	3 x M16 Glands	3 x M16 Glands	3 x M16 Glands	3 x M16 Glands	1 cable entry pointwith tie wrap fixing latch	, ,
Maximum Diameter Cable	10 mm	10 mm	10 mm	10 mm	8.6 mm	8.6 mm
Cable Types	Fiber cables up to 12 fibe	rs: loose tube, mini-breako	CAT5E unshielded, CAT6 unshielded, CAT6A unshielded			
Module Type and Descri	ntion					
Type	Double Modules	Double Modules	Double Modules	Double Modules	Single Module	Single Module
Description	12 x SC Duplex	12 x LC Duplex	12 x ST Duplex	12 x E-2000 Duplex	4 x RJ45 Keystone Jack, Shielded	4 x RJ45 Coupler, Shielded
		891 891 891			To the state of th	
Mechanical Construction						
Material Adapter/Keystone Types	Steel Blue SC adapter OS2 UPC zirconia ceramic Beige SC adapter OM1/0M2 PC phosphor bronze Aqua SC adapter OM3/0M4 PC zirconia ceramic	Blue LC adapter OS2 UPC zirconia ceramic Beige LC adapter OM1/0M2 PC phosphor bronze Aqua LC adapter OM3/0M4 PC zirconia ceramic	Blue ST adapter OS2 UPC zirconia ceramic Beige ST adapter OM1/0M2 PC phosphor bronze Aqua ST adapter OM3/0M4 PC zirconia ceramic	Blue E-2000 adapter OS2 UPC zirconia ceramic Beige E-2000 adapter OM1/0M2 PC phosphor bronze Aqua E-2000 adapter OM3/0M4 PC zirconia ceramic	CAT5E Shielded Modular Jack, Keyconnect, metal body CAT6+ Shielded Modular Jack, Keyconnect, metal body CAT6A/10GX Shielded Modular Jack, Keyconnect, metal body CAT6A/10GX Shielded Industrial REVConnect Jack, metal body	CAT6A/10GX Shielde Modular Jack, Keyconnect Coupler, metal body
Appr. Weight Module	450 g	450 g	450 g	450 g	636 g	636 g
Protection Class	IP40	IP40	IP40	IP40	IP20	IP20
Cable Entry	1 x M20 Gland 2 x M16 Glands	1 x M20 Gland 2 x M16 Glands	1 x M20 Gland 2 x M16 Glands	1 x M20 Gland 2 x M16 Glands	1 cable entry point with tie wrap fixing latch	1 cable entry pointwith tie wrap fixing lat
Maximum Diameter Cable	13 mm for G20 10 mm for G16	13 mm for G20 10 mm for G16	13 mm for G20 10 mm for G16	13 mm for G20 10 mm for G16	8.6 mm	8.6 mm
Cable Types	Fiber cables up to 24 fibers: loose tube, mini-breakout Hybrid fiber cable: 6 x SM + 6 x OM1, 6 x SM + 6 x OM2, 6 x SM + 6 x OM3, 6 x SM + 6 x OM4 CAT5 shielded, CAT6 sh CAT7 shielded				ielded, CAT6A shielded,	
Accessories						
Pigtails (1 pack of 12 pigtails, 900 micron, 0.6 m in 12 different colours)	SC/UPC SM 9/125, OS2 SC/PC MM 62.5/125, OM1 SC/PC MM 50/125, OM2 SC/PC MM 50/125, OM3 SC/PC MM 50/125, OM4	 LC/PC MM 50/125, 0M2 LC/PC MM 50/125, 0M3 	ST/UPC SM 9/125, OS2 ST/PC MM 62.5/125, OM1 ST/PC MM 50/125, OM2 ST/PC MM 50/125, OM3 ST/PC MM 50/125, OM4	E-2000/UPC SM 9/125, OS2 E-2000/PC MM 62.5/125, OM1 E-2000/PC MM 50/125, OM2 E-2000/PC MM 50/125, OM3 E-2000/PC MM 50/125, OM4	Universal cable crimping tool Core pack 10 pcs Core Pack 20 pcs Core Pack 50 pcs For MIPP housings equipped with Industrial RevConnect jacks or couplers	Universal cable crimpi tool Core pack 10 pcs Core Pack 20 pcs Core Pack 50 pcs For MIPP housings equippe with Industrial RevConnect jacks or couplers
Brilliance Field Installable Connector (900 micron)	12 brilliance connectors SC:	12 brilliance connectors LC: SM 9/125, OS2, blue MM 62.5 micron, OM1, beige MM 50 micron, OM2, black MM 50 micron, OM3/	 SM 9/125, OS2, blue 			



MIPP Configurator



MIPP Pre-Terminated MPO Cassette Configurator



Example Part Numbers

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Configuration	Description in DIN Rail Design	
MIPP/AD/P9MA	MIPP with Pre-Terminated MPO Cassette with 6 LC OS2/UPC duplex adapters (blue) to 1 MPO-12 (male), Polarity Type-A	
MIPP/AD/P4MA	MIPP with Pre-Terminated MPO Cassette with 6 LC OM4 duplex adapters (aqua) to 1 MPO-12 (male), Polarity Type-A	

Can be inserted in any slot of a MIPP housing

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