

HEL-HC-1U-4M

Modular cross-transition hybrid chassis that enables easy and quick patching in replaceable modules of fiber optic or copper patchcords.



Visualization of hybrid chassis with cover and a slot blind

features:

- product designed for installation in 19" and 21" cabinets and racks (with reducers),
- hybrid chassis enables connection and commutation of fiber optic and copper patchcords in 4 modules (ordered separately),
- possibility of connecting up to 96 optical fibers (4 modules with LC duplex adapters),
- mounting brackets with a simple assembly function
- snap-on module assembly system for easy installation and replacement,
- perforated holes and handles at the back for better organizing patchcords with cable ties.

included:

- mounting kit,
- velcro tape (1 meter),
- cable ties (8 pcs.).

options ordered separately:

- patch or transition switching modules,
- reducers RED-21-1U-E,
- front cover of the HEL-HC-1U-4M chassis protects the outgoing cables,
- blind cover HEL-PM-BLIND for empty module slot.

standards and certificates:

- flammability class V0 acc. UL94
- PN-EN 60529:2003
- PN-EN 50102:2001
- ITU-T L.202:2010

sectors:



TELECOMMUNICATION
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OPERATORS



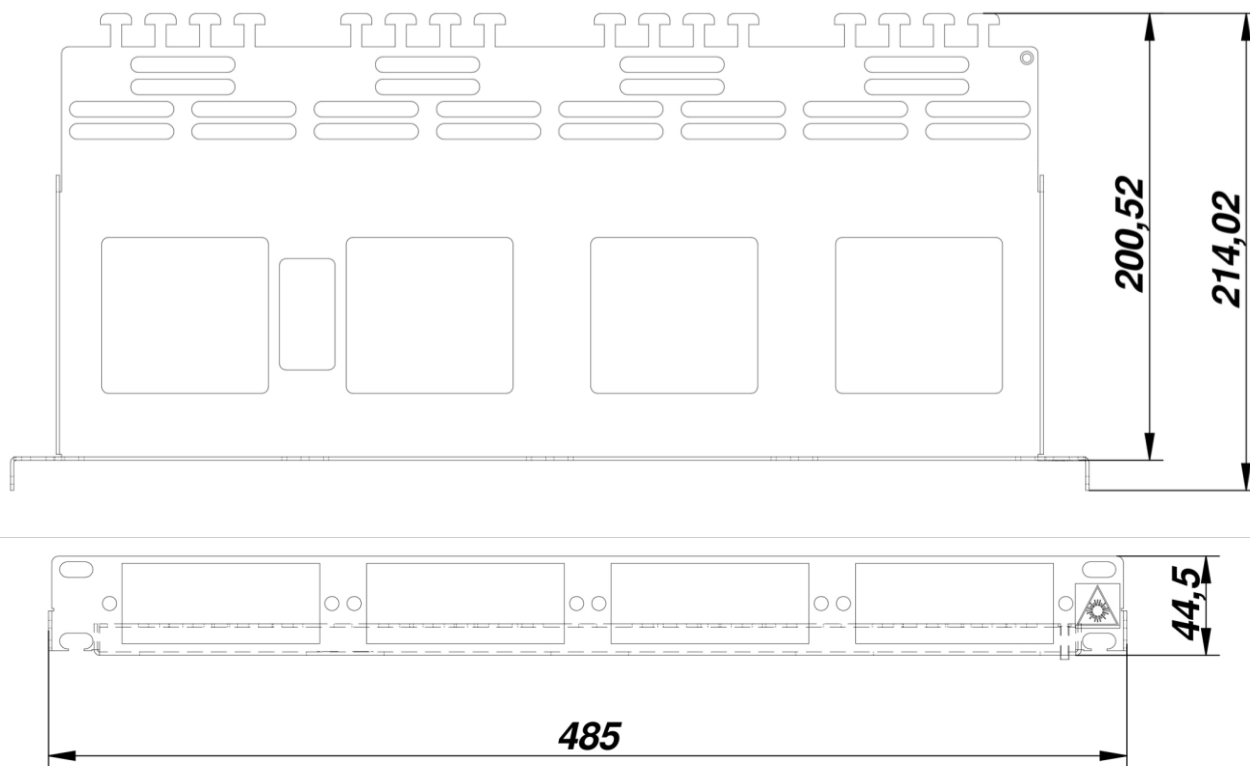
ISP AND CATV
OPERATORS



DESIGN AND
EXECUTION
COMPANIES

HEL-HC-1U-4M

technical drawing:



technical specifications:

HEL-HC-1U-4M	
dimension [width x height x length][mm]	485 x 44,5 x 214
rack height [U]	1
number of slots [pcs]	4
material chassis	powder painted steel
colour chassis	black RAL9005 or grey RAL7035
weight [kg]*	1,5

* weight without additional equipment

HEL-HC-1U-4M

chassis configuration:

code	description
HEL-HC-1U-4M-BK	Empty modular cross-transition hybrid chassis, 1U high, 4 fiber optic / copper modules slots. Capacity up to 96J using LC duplex adapters. Construction: 485x44,5x214 [mm], powder painted steel, color RAL9005.
HEL-HC-1U-4M-GY	Empty modular cross-transition hybrid chassis, 1U high, 4 fiber optic / copper modules slots. Capacity up to 96J using LC duplex adapters. Construction: 485x44,5x214 [mm], powder painted steel, color RAL7035.

accessories:

code	description
HEL-HC-COVER-BK	Front cover of the HEL-HC-1U-4M chassis protects the outgoing cables. Construction: powder painted steel, color RAL9005.
HEL-HC-COVER-GY	Front cover of the HEL-HC-1U-4M chassis protects the outgoing cables. Construction: powder painted steel, color RAL7035.
HEL-HC-BLIND-BK	Blind cover for empty module slot. Construction: powder painted steel, color RAL9005.
HEL-HC-BLIND-GY	Blind cover for empty module slot. Construction: powder painted steel, color RAL 7035.

HEL-PM/TM

Switching modules installed in HEL-HC-1U-4M chassis that enables patch and transition of fiber optic or copper patchcords in many configurations.



Visualization of patch/transition modules equipped with adapters

features:

- product dedicated for installation in the HEL-HC-1U-4M chassis,
- single module allows to connect up to 12 duplex LC adapters, MPO/MTP harnesses or 6 keystone RJ45,
- numbered patch panel ensure easy identification of fibers,
- snap-on module assembly system for easy installation and replacement.

options ordered separately:

- fiber optic / copper patchcords,
- hybrid chassis HEL-HC-1U-4M,
- front cover of the HEL-HC-1U-4M chassis protects the outgoing cables,
- blind cover HEL-PM-BLIND for empty module slot.

standards and certificates:

- flammability class V0 acc. UL94
- PN-EN 60529:2003
- PN-EN 50102:2001
- ITU-T L.202:2010

sectors:



TELECOMMUNICATION
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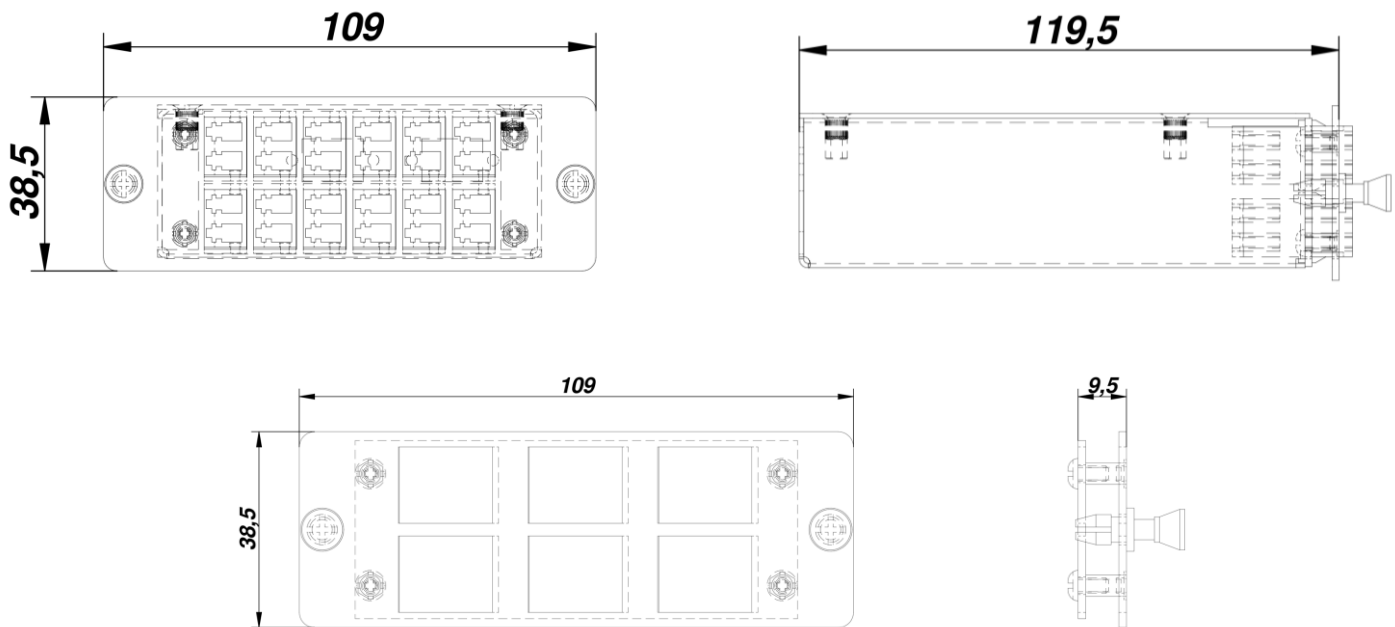
ISP AND CATV
OPERATORS



DESIGN AND
EXECUTION
COMPANIES

HEL-PM/TM

technical drawing:



technical specifications:

HEL-PM/TM	
patch module dimensions [width x height x length] [mm]	109 x 38,5 x 9,5
transition module dimensions [width x height x length] [mm]	109 x 38,5 x 119,5
capacity of a single patch module	6x keystone 6x for LC duplex 12x for LC duplex
capacity of a single transition module	6x for LC duplex 12x for LC duplex
material module	powder painted steel
colour module	black RAL9005 or grey RAL7035
weight of the patch module [kg]	0,1
weight of the transition module [kg]	0,4

HEL-PM/TM

configuration:

0	1	2	3	4	5	description
HEL-						hybrid chassis
	PM-					patch module
		6-				6 ports
			SM-			singlemode
				6LCD		6x LC duplex PC/APC
			MM-			multimode
				6LCD		6x LC duplex OM3/OM4 PC
		12-				12 ports
			SM-			singlemode
				12LCD		12x LC duplex PC/APC
			MM-			multimode
				12LCD		12x LC duplex OM3/OM4 PC
			6KEY-			6x keystone
			6KEYS-			6x keystone shielded
	TM-					transition module
		12-				12 ports
			SM			singlemode
				12MTP-		MTP 12
					6xLCD	6x LC duplex PC/APC
				2x12MTP-		2x MTP 12
					12xLCD	12x LC duplex PC/APC
				24 MTP-		MTP 24
					12xLCD	12x LC duplex PC/APC
			MM			multimode
				12MTP-		MTP 12
					6xLCD	6x LC duplex OM3/OM4 PC
				2x12MTP-		2x MTP 12
					12xLCD	12x LC duplex OM3/OM4 PC
				24 MTP-		MTP 24
					12xLCD	12x LC duplex OM3/OM4 PC