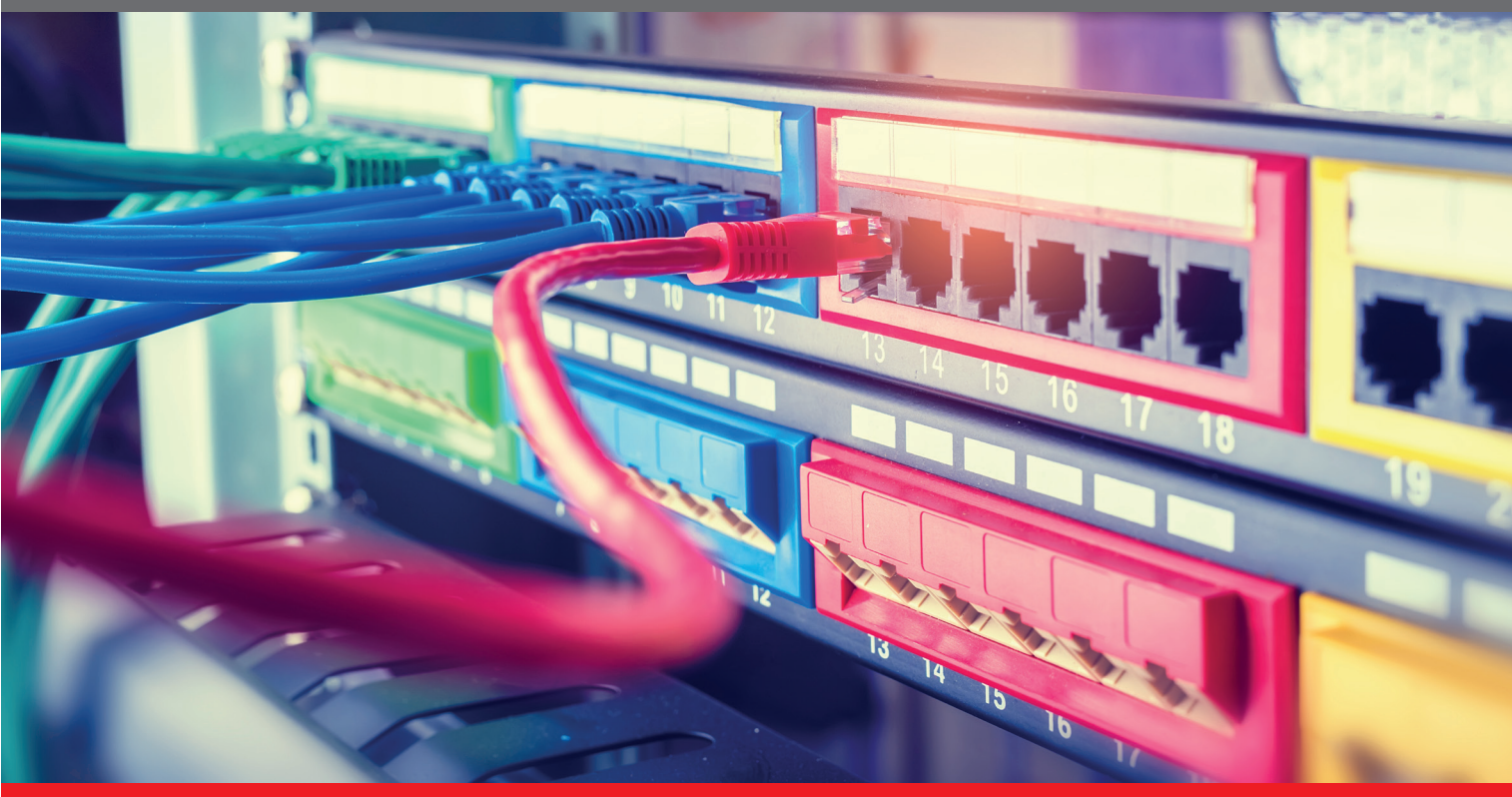


19" HYPERline Series Wall Mounting Cabinets



19" HYPERline Series

Wall Mounting Cabinets

HYPERline series networking wall mount enclosures/cabinets, designed for minimized disassembled flat-packed shipments for superior logistics advantages and cost savings. However, product also customer friendly with its easy assembly process. Moreover, series offer distinctive colour designs to fit in various internal designs corporate colours.

HYPERline Series perform superior load performance tested with 100 kgs load which is 2X times higher than market standards. Therefore, HYPERline Series can carry heavy telecom equipments, UPS and batteries besides standard network equipment such as switches, patch panels and cables.

HYPERline series are being manufactured in 600x450 mm, 600x600 mm dimensions with 8 heights from 4U to 18U in fully automated production facilities.

HYPERline series is supplied with a standard glass front door, removable side panels with a barrel locking system. Front door has tinted smoke tempered glass with aesthetic and professional look. The product range has a professional appearance and fits in different environments with fine wrinkle paint and optional colour scale; RAL 9005 Black, RAL 7035 Light Grey and RAL 7016 Anthracite Grey.

Along with the above main body colours, the side frames has optional colours:

- RAL 5026 Pearl Night Blue
- RAL 3020 Traffic Red
- RAL 6017 May Green
- RAL 7027 Dusty Grey

Large stock holding portfolio, single box flat packed delivery, assembled delivery option, including one set: 2 pieces of 19" adjustable equipment mounting rails.

HYPERline Series product range offers a variety range of accessories to compliment the cabinets and meets the requirements of the majority of applications.

HYPERline Series wall mounting cabinets have high corrosion resistance with nano technology pre-treatment, Bonderite/Henkel chemicals, and 80-120 micron thick epoxy powder coating for 500+ hours of salt spray test performance.



19" HYPERline Series

Wall Mounting Cabinets

Compliance with standards:

- With the EN 12150-1 standard antistatic, smoked tempered safety glass 4,0 mm front glass door.
- Round quarter turn lock which is compatible with DIN 1743, DIN 53571, RoHS.
- EN 60297- Mechanical constructions for electronic devices. mechanical constructions (19 inch series) with standard universal 482,6 mm profiles
- EN IEC 60917- Modular layout for development of mechanical constructions in electronic equipment applications.
- EN IEC 61587-1 For electronic devices inner usage mechanic construction cabinets, bottom shelves, cases, IEC 60917 and IEC 60297 series tests, Chapter 1, environmental conditions, test setup and security rules.
- EIA/ ECA-310 (D/E) 19" 482,6 mm and U 44,45 mm Height Sizing
- Climatic and environment: EN 61587-1/4.2, IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-30
- Static Mechanical Load Lifting: EN 61587-1/5.2.1
- Static Mechanical Load Stiffness: EN 61587-1/5.2.2
- Dynamic mechanical load vibration and shock, impact: EN 61587-1/5.3.1, EN 61587-1/5.3.3, IEC 60068-2-6, IEC 60068-2-27
- Grounding: EN 61587-1/6.2
- Fireproofing: EN 61587-1/6.3
- IP protection class (IP code): IP20, EN 61587-1/6.4
- The powder paint used is non-flammable and has a flame-retardant resistant according to TS EN 13501-1 + A1 standard
- TS EN ISO 9227 corrosion tests, salt spraying tests, TS EN ISO 2409 paints and varnishes, cross cutting test, TS 2311 EN ISO2178 above magnetic metals non-magnetic covering, measuring covering thickness, magnetic method
- 2011/65/EU- regulation of hazardous material restriction/ RoHS suitability
- TS EN 60950-1 information technology devices, Security- Chapter 1
- General rules- CE suitability
- Sheet steel: DIN 934, DIN 985, DIN 933 - EN ISO 2081 metallic and other inorganic coverings covered above iron or steel with the additional process electrolytic zinc covering standards

Production Facility Standards

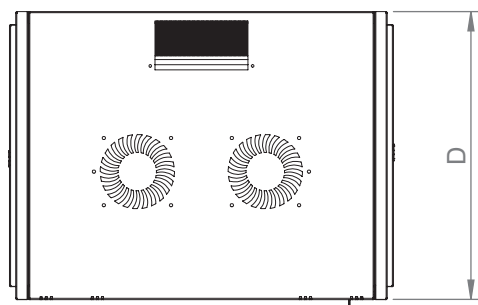
- ISO 9001- Quality Control System
- ISO 14001- Environmental Management System



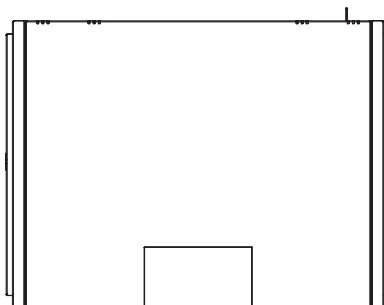
19" HYPERline Series

Wall Mounting Cabinets

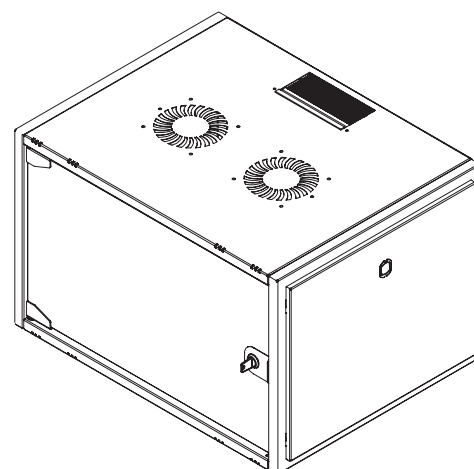
Width: 600 mm
Depth: 450/600 mm



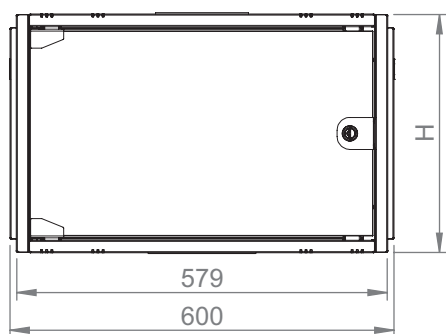
Top view



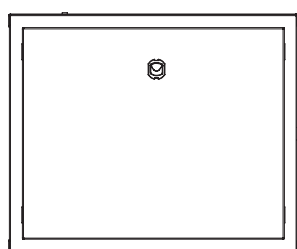
Bottom view



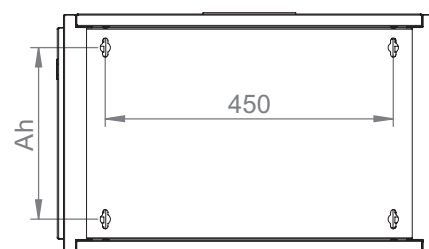
Isometric view



Front view



Side view



Rear view

19" HYPERline Series Wall Mounting Cabinets W=600 mm D=450 mm

*Part Nr	Description	U Height	Ah Wall Assembly Height mm	h inner height mm	H Outer Height mm	Depth mm
LN-HL-04U6045-CC-A/F	04U 19" W600xD450 mm Wall Mounting Cabinet	04U	135	235	239	450
LN-HL-07U6045-CC-A/F	07U 19" W600xD450 mm Wall Mounting Cabinet	07U	268	368	372	450
LN-HL-09U6045-CC-A/F	09U 19" W600xD450 mm Wall Mounting Cabinet	09U	357	457	461	450
LN-HL-12U6045-CC-A/F	12U 19" W600xD450 mm Wall Mounting Cabinet	12U	490	590	594	450
LN-HL-15U6045-CC-A/F	15U 19" W600xD450 mm Wall Mounting Cabinet	15U	624	724	728	450
LN-HL-18U6045-CC-A/F	18U 19" W600xD450 mm Wall Mounting Cabinet	18U	757	857	861	450

*CC= refers to the Color Code, to be added by the customer at the time of order.

19" HYPERline Series Wall Mounting Cabinets W=600 mm D=600 mm

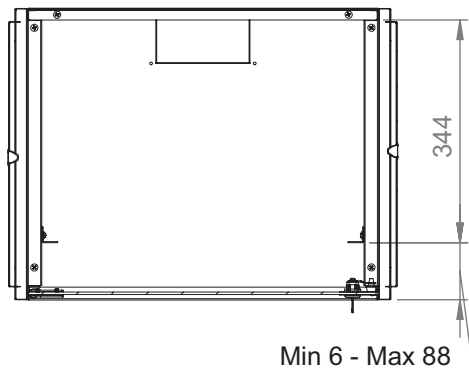
*Part Nr	Description	U Height	Ah Wall Assembly Height mm	h inner height mm	H Outer Height mm	Depth mm
LN-HL-04U6060-CC-A/F	04U 19" W600xD600 mm Wall Mounting Cabinet	04U	135	235	239	600
LN-HL-07U6060-CC-A/F	07U 19" W600xD600 mm Wall Mounting Cabinet	07U	268	368	372	600
LN-HL-09U6060-CC-A/F	09U 19" W600xD600 mm Wall Mounting Cabinet	09U	357	457	461	600
LN-HL-12U6060-CC-A/F	12U 19" W600xD600 mm Wall Mounting Cabinet	12U	490	590	594	600
LN-HL-15U6060-CC-A/F	15U 19" W600xD600 mm Wall Mounting Cabinet	15U	624	724	728	600
LN-HL-18U6060-CC-A/F	18U 19" W600xD600 mm Wall Mounting Cabinet	18U	757	857	861	600

*CC= refers to the Color Code, to be added by the customer at the time of order.

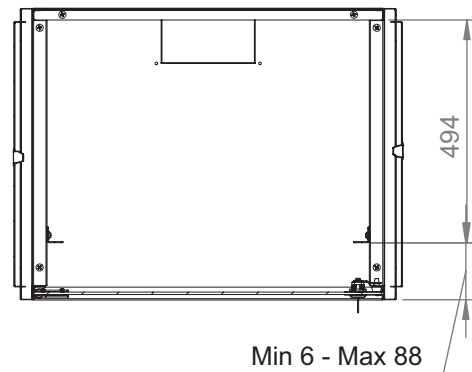
19" HYPERline Series

Wall Mounting Cabinets

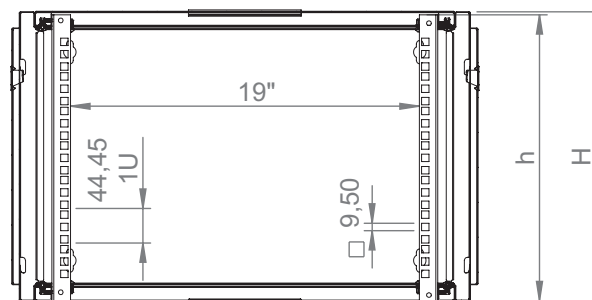
Width: 600 mm
Depth: 450/600 mm



Max / Min equipment
mounting distance (450)



Max / Min equipment
mounting distance (600)



Dimensions in
width and height

Part Definition	Material Quality	Material Thickness (mm)	Shipment Configuration
Main body (Structure)	DIN EN 10130-DC-01-6112 CRS	0,8 mm	1
Front Door	EN 12150-1 Tempered Secure Glass	4 mm	1
19" Equipment Mounting Rails	DIN EN 10130-DC-01-6112 CRS	1,5 mm	2
Rear Panel	DIN EN 10130-DC-01-6112 CRS	1,2 mm	1
Side Panels	DIN EN 10130-DC-01-6112 CRS	0,8 mm	2
Side Frame Module	DIN EN 10130-DC-01-6112 CRS	0,8 mm	2

CC= Color codification- Main module and side frames has color options, where you can see from below chart

CC= BL	Single Color RAL 9005 Jet Black
CC= BB	Jet Black Main Body RAL 9005 and Pearl Night Blue Side Frames RAL 5026
CC= BR	Jet Black Main Body RAL 9005 and Traffic Red Side Frames RAL 3020
CC= BY	Jet Black Main Body RAL 9005 and May Green Side Frames RAL 6017
CC= LG	Single Color RAL 7035 Light Grey
CC= LB	Light Grey Main Body RAL 7035- and Pearl Night Blue Side Frames RAL 5026
CC= LR	Light Grey Main Body RAL 7035- and Traffic Red Side Frames RAL 3020
CC= LY	Light Grey Main Body RAL 7035- and May Green Side Frames RAL 6017
CC= LD	Light Grey Main Body RAL 7035- and Dusty Grey Frames RAL 7037
CC=AY	Anthracite Grey Main Body RAL 7016- and May Green Side Frames RAL 6017

19" HYPERline Series

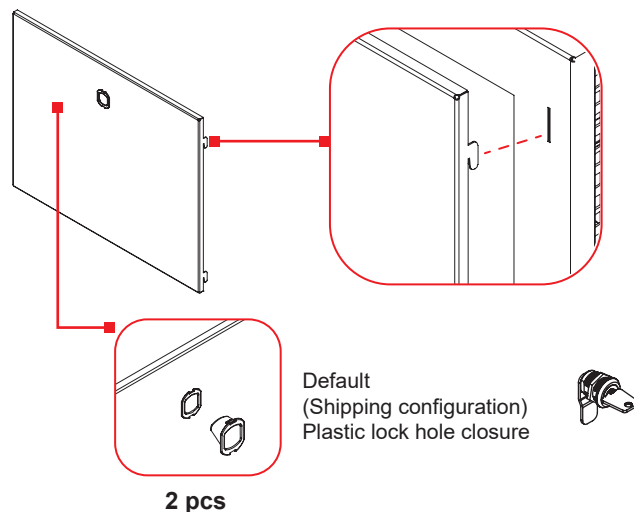
Wall Mounting Cabinets

Width: 600 mm
Depth: 450/600 mm

Other features and details:

Side panels in shipping configuration being delivered with 2 pcs side panel closure lock hole- which allows by finger to lift off the side panels. In case required more Security in side panels extra set of barrel side panel quarter turn lock can be ordered.

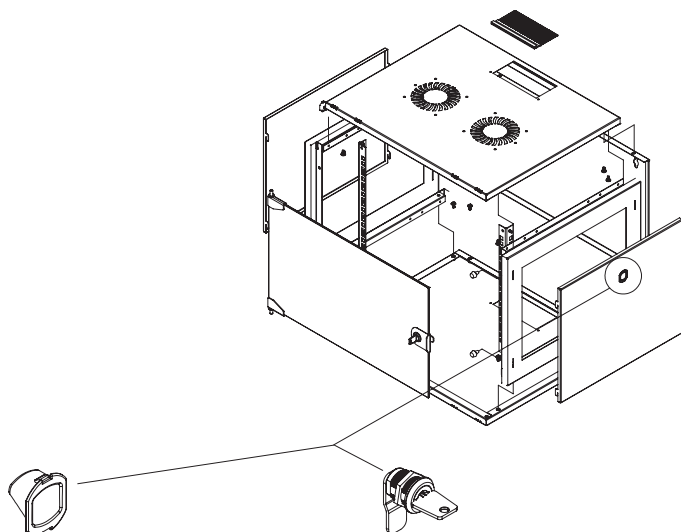
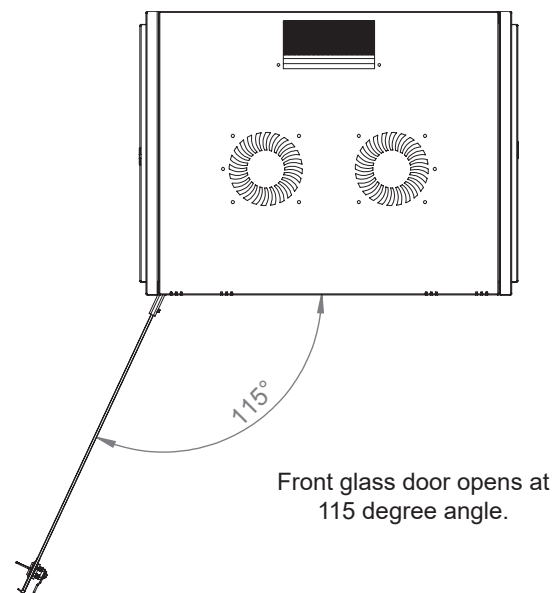
Side panels holds the side frame with its hooks to increase security. The side panels can be equipped with barrel quarter turn lock with a key.



2 Options for side panel closure lock hole

- 1) Default (shipping configuration) plastic lock hole closure
- 2) Lock for side panel (O-type)

Front door opening angle



Plastic lock hole closure

It does not lock the side closure. It allows you to open the side closure by simply pulling it up with your finger.

O-type lock

It does lock the side panel closure.

19" HYPERline Series

Wall Mounting Cabinets

Width: 600 mm
Depth: 450/600 mm

Other features and details:

Lock on front door has a plastic handle housing the Lande Logo.

Rubber glass door stoppers.



Flat pack helps saving logistics and warehousing costs.



19" HYPERline Series

Wall Mounting Cabinets

Accessories

Fan Module Thermostat Switched Ball Bearing Long Life 50.000 Hours

Product Picture	Series	*Part Number and Product Description	Dimensions WxDxH mm
	Accessory	LN-FAN-ONF-1FWM-CC 1 fan units on/off switched, wall mounting	346x145x50
		LN-FAN-ONF-2FWM-CC 2 fan units on/off switched, wall mounting	346x145x50
		LN-FAN-THM-1FWM-CC 1 fan units with thermostatic control unit, wall mounting	346x175x50
		LN-FAN-THM-2FWM-CC 2 fan units with thermostatic control unit, wall mounting	346x175x50

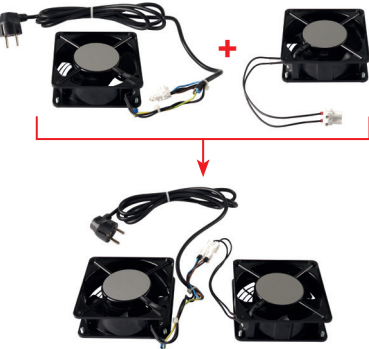
* CC= LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering.

Fan Module Thermostat Switched Ball Bearing Long Life 50.000 Hours - Economic

Product Picture	Series	*Part Number and Product Description	Dimensions WxDxH mm
	Accessory	LN-FAN-BB-1FPR-CC 1 way fan module on/off switched	140x170x40
		LN-FAN-BB-2FPR-CC 2 way fan module on/off switched	340x140x40
		LN-FAN-BB-1FPT-CC 1 way fan module thermostatic control unit	140x205x40
		LN-FAN-BB-2FPT-CC 2 way fan module thermostatic control unit	340x175x40

* CC= LG for Light Grey RAL 7035 & BL for Black RAL 9005 for customers to define while ordering.

Economic Extendable Modules Fan Modules- No Any Metal Housing Ball Bearing Long Life Fan - 50.000 Hours Economic +

Product Picture	Series	*Part Number and Product Description	Dimensions WxDxH mm
	Accessory	LN-FAN-HL-1FBB-M Single fan with grill, 1,8 meter power cable DIN 49441 schuko plug and extension terminal male, ball bearing long life fan	346x175x50
		LN-FAN-HL-1FBB-E Single fan with grill, extension terminal female ball bearing long life fan	346x175x50

* LN-FAN-HL-1FBB-E is just a fan for making cabinet equipped with 2 fans, used with main product LN-FAN-HL-1FBB-M and add the extension fan.

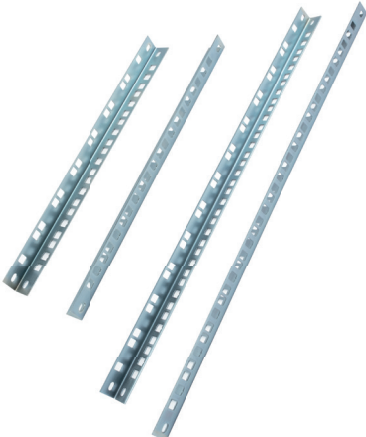
19" HYPERline Series

Wall Mounting Cabinets

Accessories

Side Panel Barrel Lock Set			
Product Picture	Series	*Part Number and Product Description	Dimensions WxDxH mm
	Accessory	LN-LOCK-KIT-HPL 1 set 2 pcs side panel barrel lock set	-

* Side panels are equipped with plastic lock hole closure- which allows your finger to lift of side panels. Incase more security is required a set of LN-LOCK-KIT-HPL to be ordered per cabinet.

Equipment Mounting Rails for HYPERline Wall Cabinets			
Product Picture	Series	*Part Number and Product Description	Dimensions WxDxH mm
	Accessory	LN-PRF-CMD-04UEU-ZN 4U 19" Equipment mounting rails 1 set: 2 pcs (left/right) HYPERline Wall Mounting Type	35x65x194
		LN-PRF-CMD-07UEU-ZN 7U 19" Equipment mounting rails 1 set: 2 pcs (left/right) HYPERline Wall Mounting Type	35x65x328
		LN-PRF-CMD-09UEU-ZN 9U 19" Equipment mounting rails 1 set: 2 pcs (left/right) HYPERline Wall Mounting Type	35x65x417
		LN-PRF-CMD-12UEU-ZN 12U 19" Equipment mounting rails 1 set: 2 pcs (left/right) HYPERline Wall Mounting Type	35x65x551
		LN-PRF-CMD-15UEU-ZN 15U 19" Equipment mounting rails 1 set: 2 pcs (left/right) HYPERline Wall Mounting Type	35x65x683
		LN-PRF-CMD-18UEU-ZN 18U 19" Equipment mounting rails 1 set: 2 pcs (left/right) HYPERline Wall Mounting Type	35x65x817

* All HYPERline Wall Mounting Cabinets supplied with 2 pcs 19" Equipment mounting Rails in Front, for additional set of 19" rails, please order as accessory from above list.



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