



SOMMAIRE

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1. GENERAL CHARACTERISTICS

Linkeo 19" wall-mounting cabinets are intended for digital infrastructures.

Linkeo 19" wall-mounting cabinets are metal and provide IP20 - IK08 protection. They have a glass door and are grey RAL 7035.

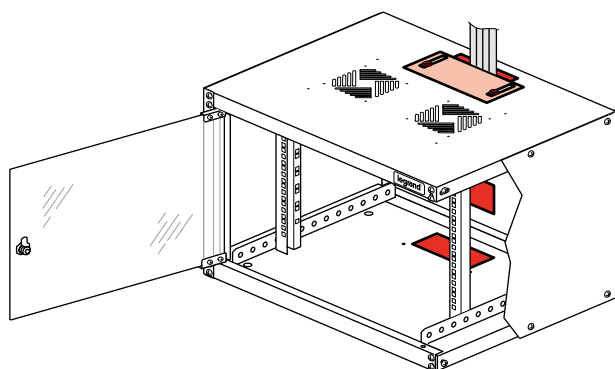
A fan kit, shelves and PDU complete the range. Linkeo 19" wall-mounting cabinets are also compatible with LCS² 19" fixed wall-mounting cabinet equipment.

■ 1.1 Presentation

The main parts of Linkeo 19" wall-mounting cabinets are:

- A screwed framework consisting of 2 top and bottom end plates, 2 side panels and a back base
- A front glass door
- Two 19" uprights

The cabinets include a upper adjustable cable entry with foam seals, and rear and lower cable entries equipped with blanking plates.



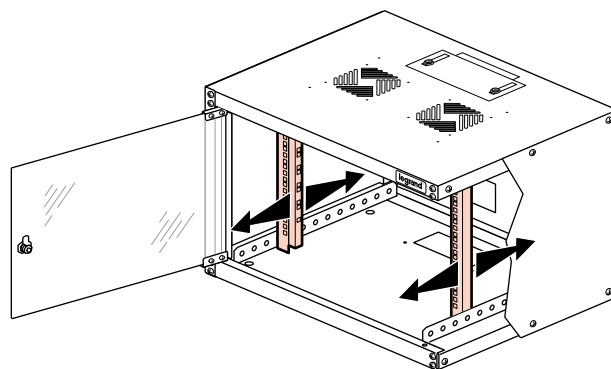
The top end plate includes 2 perforations for natural ventilation, capable of taking the fan kit cat. n° 0 462 70 (see section 5).

The door is made of a flat tinted transparent glass and is fitted with a locking bolt. The door is removable and reversible.

The side panels are not removable.

1. GENERAL CHARACTERISTICS (continued)

The depth of the 19" uprights can be adjusted in 30 mm steps :



The 19" uprights are perforated with 9.5 x 9.5 mm square holes.

■ 1.2 Standards

Linkeo 19" wall-mounting cabinets comply with the following standards:

IEC 60529 EN 60529	(NF C 20-010) Degrees of protection provided by enclosures (IP code)
IEC 62262 EN 62262	(NF EN 50102, NF C 20-015) Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)
IEC 60950-1 EN 60950-1 C 77-210-1	Safety of information technology equipment
EIA-310-E	Cabinets, racks, panels and associated equipment (ANSI/EIA/310-E-2005)
IEC 60297-3-100 DIN 41414-7	(NF C 20-150, NF C 20-151) Dimensions of mechanical structures of the 482.6 mm series (19 in)

1. GENERAL CHARACTERISTICS (continued)

Linkeo 19" wall-mounting cabinets can be integrated in installations complying with the following standards:

EN 50173-1	Information technology - Generic cabling systems
EN 50174-1 & 2 C 90-480-1 & 2	Information technology - Cabling installation
ISO IEC 11801	Information technology - Generic cabling for customer premises
NF C 15-100 Partie 4-41	Low voltage electrical installations - recommendations
IEC 60364-4-41	Low voltage electrical installations - Protection for safety - Protection against electric shock
UTE C90-483	Residential cabling for communication networks

2. RANGE

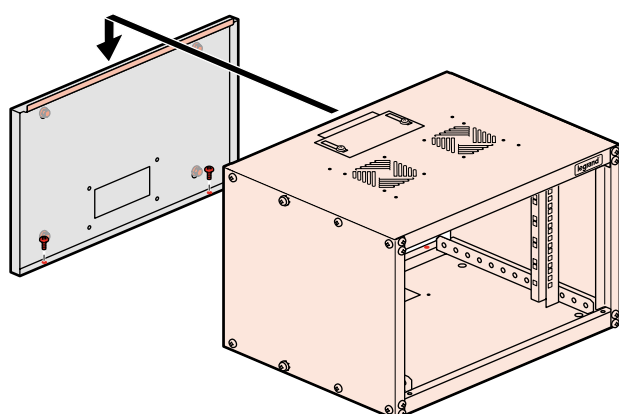
Linkeo 19" wall-mounting cabinets can be supplied in 2 different forms :

- ready-assembled
- in flat pack to be mounted

Capacity	Width (mm)	Depth (mm)	Cat. No.	
			Mounted pack	Flat pack
6U	600	400	0 462 30	0 462 35
9U			0 462 31	0 462 36
12U		600	0 462 42	0 462 47
16U			0 462 43	0 462 48

The wall-mounting cabinets supplied in flat pack offer the following advantages :

- a reduced volume during storage and transport (see section 3.8)
- a simple two-step wall fixing : back base and then cabinet



3. TECHNICAL CHARACTERISTICS

3.1 Index of protection

- IP20 according to IEC EN 60529
Protected against solid objects larger than 12.5 mm in diameter
- IK08 according to IEC EN 62262
Protected against mechanical impact with an energy of 5 joules

3.2 Mechanical performance

- Permissible load: 3 kg/U (i.e. 48 kg for a 16U cabinet)

3.3 Design

- End plates and back base made of 1.5 mm thick steel + paint
- Side panels made of 1.2 mm thick steel + paint
- Door made of 4 mm thick safety glass
- Door hinges made of black-painted steel
- Door bolt made of chrome-plated metal + 2 keys
- Legrand marking by sticker in relief
- 19" uprights made of 1.5 mm thick galvanised steel
- Upper cables entry plate made of 1 mm thick painted steel + black polyurethane seals
- Lower and rear cables entry blanking plates made of white plastic

3.4 Corrosion resistance

- Corrosive environment class:
C2 according to EN ISO 12944-2,
3K3 according to IEC EN 60721-3-3
- Salt spray test according to ISO 9227 (NSS test) and IEC EN 60068-2-11 (Ka test) for 168 hours:
degree of rusting Ri1 according to ISO 4628-3,
propagation ≤ 1 mm according to ISO 4628-8
- Sulphur dioxide (SO₂) test according to EN ISO 6988 for 48 hours:
degree of rusting Ri1 according to ISO 4628-3,
ISO 10289 annex A class 8 type image

3.5 Properties of the paint coating

- Thermosetting polyester paint applied by electrostatic dusting
- Grey RAL 7035
- Textured satin appearance
- 60 to 80 mm µm thick
- Excellent impact and scratch resistance
- Excellent resistance to cleaning agents (excluding strong chlorinated, fluorinated and ketone solvents)
Some products may change the appearance. It is therefore advisable to carry out a test first
- Light exposure test (xenon-arc lamp) according to ISO 4892-2 method B for 500 hours: no visible fading

3.6 Electrical continuity of the conductive parts

Continuity of the cabinet metal conductive parts is achieved by design except for the back base : the equipotential link should be created with the protective conductor supplied.

Concerning the wall-mounting cabinet supplied in flat pack, the mounting instructions in the manual supplied with each cabinet should be strictly respected.

3. TECHNICAL CHARACTERISTICS (continued)

3.7 Weight

Net weight excluding packaging.

Cabinet Cat. No.	Weight (kg)
0 462 30/35	18
0 462 31/36	20
0 462 42/47	30
0 462 43/48	36

3.8 Packaging

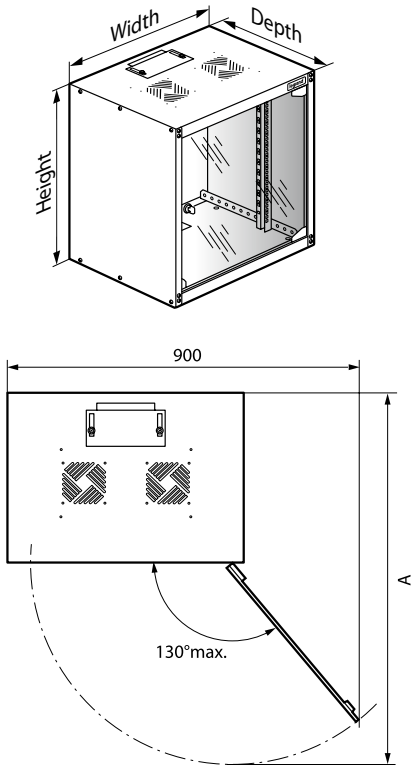
	Cat. No.	Dimensions (mm)	Volume (m³)
		H x W x D	
Mounted pack	0 462 30	410 x 660 x 470	0,13
	0 462 31	555 x 660 x 470	0,17
	0 462 42	685 x 670 x 670	0,31
	0 462 43	870 x 670 x 670	0,39
Flat pack	0 462 35	175 x 620 x 425	0,046
	0 462 36	230 x 610 x 470	0,066
	0 462 47	215 x 640 x 640	0,088
	0 462 48	245 x 820 x 625	0,126

A 16U cabinet in flat pack with a smaller packaging volume than a 6U ready-assembled cabinet.

4. DIMENSIONS

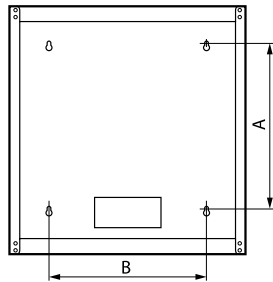
All dimensions are in mm.

4.1 Overall dimensions



Cat. No.	Capacity	Overall dimensions			A
		Height	Width	Depth	
0 462 30/35	6U	367	604	404	930
0 462 31/36	9U	500		604	1130
0 462 42/47	12U	625			
0 462 43/48	16U	810			

4.2 Fixing dimensions



Cat. No.	A	B
0 462 30/35	153	400
0 462 31/36	286	400
0 462 42/47	419	400
0 462 43/48	597	400

4. DIMENSIONS (continued)

4.3 Usable dimensions

Usable area

		In front side	Between 19" uprights	19" uprights external side ⁽¹⁾
400 deep cabinets	6U	287 x 528	450	41
	9U	415 x 528		
600 deep cabinets	12U	550 x 528		
	16U	732 x 528		

⁽¹⁾ On both 19" uprights sides

Usable depth

	Below door ^{(1) (3)}	Behind 19" uprights ^{(2) (3)}	Total
400 deep cabinets	100 (10 min.)	270 (360 max)	370
600 deep cabinets		470 (560 max)	570

⁽¹⁾ Between 19" uprights front face and back face of the door

⁽²⁾ Between 19" uprights front face and cabinet back base

⁽³⁾ Can be adjusted in 30 mm steps

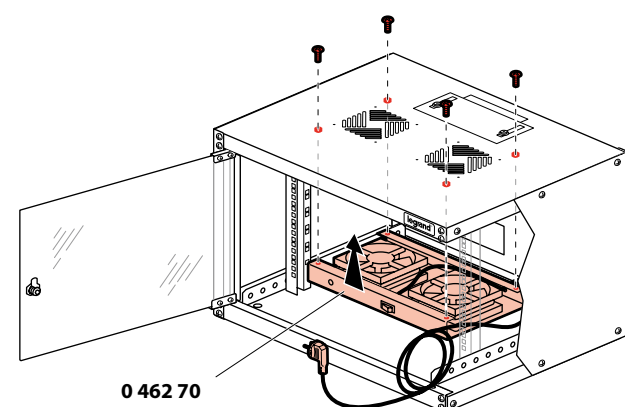
Cables entries

- Upper adjustable : usable area of 145 x 38 to 50 mm according to the compression of the seals (60 mm max. without seal). Centered in width. In depth, center axis positioned to 47 mm of the back of the cabinet.
- Lower and rear : usable area of 145 x 70 mm. Both centered in width. Lower entry, in depth, center axis positioned to 52 mm of the back of the cabinet. Rear entry, center axis positioned to 103 mm of the bottom of the cabinet.

5. FAN KIT

Linkeo 19" wall-mounting cabinets can take a fan kit installed at the top.

Cat. No.	No. of fans	Output (m³/hr)
0 462 70	2	160



5. FAN KIT (continued)

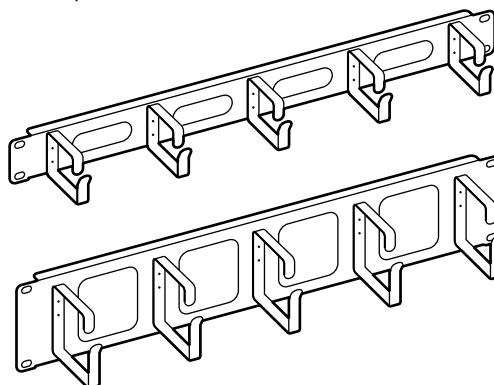
Characteristics:

- IPXXB
- 230 V~ - 50/60 Hz power supply
- ON/OFF light switch
- Current: 0,25 A
- Power: 44 W
- Integrated thermostat, adjustable from -10 °C to +80 °C
- Equipped with 3 x 0.75 mm² flexible power supply cord, 2.3 m long with standard 2P+E French/German plug
- Base made of steel + paint (same as cabinets)
- Overall dimensions : 360 x 190 x 80 mm
- Fixing screws supplied
- Grey RAL 7035

6. 19" EQUIPMENT

6.1 Linkeo management panels with 2 axes

- Metal panels with horizontal and front to back feedthrough



Cat. No.	Height	Depth (mm)	Feedthrough dimensions (mm)	Ring usable cross-section (mm²)
6 465 20	1U	68	20 x 60	39 x 45
6 465 21	2U	77	64 x 60	65 x 55

- Panels made of 1 mm thick zinc-plated steel
- Rings made of 2.5 mm thick zinc-plated steel
- Supplied with screws and cage nuts with pins
- Black RAL 9005

6.2 Linkeo fixed shelves

- Projecting fixing by screwing onto 2 x 19" uprights



Cat. No.	Depth (mm)	Usable width (mm)
6 465 01	200 For 400 and 600 mm deep cabinets	435
6 465 02	360 For 600 mm deep cabinets	435

- Height 2U
- Max. load: 15 kg
- 50 x 7 mm oblong perforations (possibility of clamping using cable ties)
- Supplied with screws and cage nuts with pins
- 1.5 mm thick zinc-plated steel, black RAL 9005

6. 19" EQUIPMENT (continued)

■ 6.3 Linkeo 19" PDUs

- Designed to provide 230 V~ power supply for active products
- For mounting on 19" fixing centres
- 2P+E sockets
- Equipped with a flexible 2 m power supply cord, 3 x 1.5 mm² with plug
- Height 1U
- Supplied with screws and cage nuts
- Black aluminium body, black steel fixing brackets

Cat. No.	2P+E sockets		Additional function
	Number	Standard	
6 465 50	9	French	—
6 465 51	8	Belgian	Switch with indicator
6 465 55	9	German	—
6 465 56	8		Switch with indicator
6 465 60	8	British	—
6 465 61	7		Switch with indicator

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