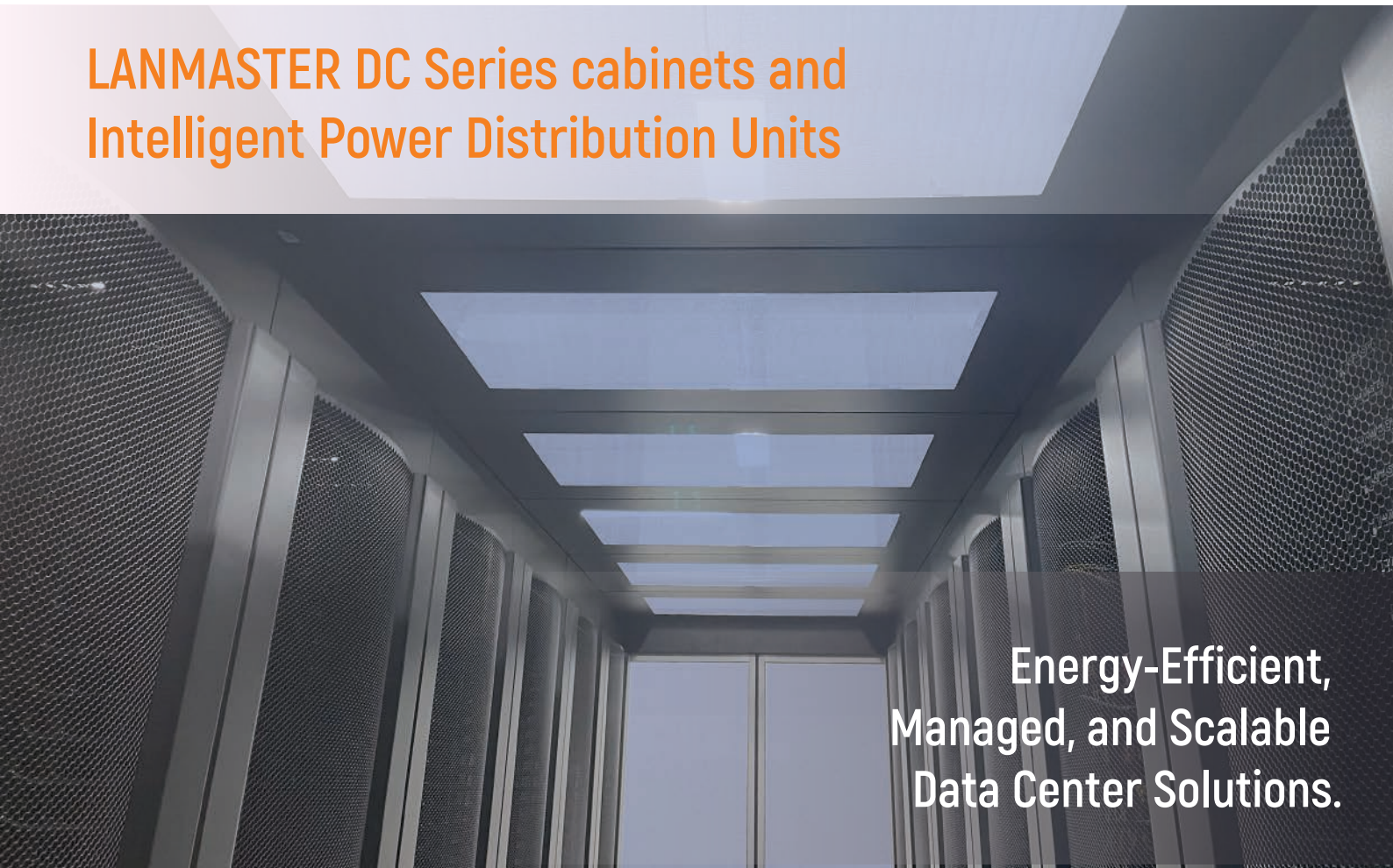


LANMASTER DC Series cabinets and Intelligent Power Distribution Units



**Energy-Efficient,
Managed, and Scalable
Data Center Solutions.**

The LANMASTER DC cabinet series has been designed considering the specific requirements and operational characteristics of mounting structures in data centers.

The cabinet design has been optimized to minimize installation time by utilizing a large-unit assembly method with a reduced number of operations.



MODULAR COMPONENT

The cabinets are the core component for creating modular hot-aisle/cold-aisle airflow containment systems in data centers.

SOLUTION COMPONENTS

The modular nature of the hot/cold aisle containment components enables the design of a configuration suitable for any facility, adaptable to any specific requirements, and capable of future expansion.

Data Center cabinet LAN-DC



Load capacity: 1500 kg
Dynamic capacity: 1250 kg

Quick-release roof with brush inlets along the perimeter. The roof could be removed when cables are terminated.

Door perforation > 80%
Profiled doors featuring a large perforated zone and a high perforation ratio provide effective cooling for installed equipment.

The distance between the mounting profiles and the cabinet doors allows for a well-organized cable management.

Integrated grounding system for all structural components of the cabinet.

Large-unit assembly method with reduced assembly steps.



Vertical cable trays in the cabinet enclosure are equipped with hinges for quick mounting of vertical Power Distribution Unit blocks.

A well-designed air exhaust isolation scheme around the internal perimeter of the cabinet

Mounting profiles with an adjustment step of 6.4 mm can be set to accommodate a wide range of installed equipment depths

Quick-release side panels with locks, separated by height, can be removed independently of each other, and are lightweight.
*Available as an optional accessory

Pre-installed earth bar on the power frame of cabinet.

Reinforced casters and height-adjustable feet.
Optional front plug for underfloor space sealing.

WIDE RANGE OF DIMENSIONS AND ACCESSORIES

The LAN-DC cabinet design is engineered to ensure maximum simplicity and convenience during subsequent operation.

A wide range of sizes allows for selection of a model tailored to the application. For example, to optimize cable routing, it is recommended to use structures with a width starting from 750 mm.

The LANMASTER product portfolio includes a wide variety of optional parts and accessories, including components for constructing isolated energy-efficient architectures.

Cabinets part numbers by dimensions

Width, mm	Depth, mm	Height	
		42U	48U
800	1070	LAN-DC-CBA-42Ux8x10-BK	LAN-DC-CBA-48Ux8x10-BK
	1200	LAN-DC-CBA-42Ux8x12-BK	LAN-DC-CBA-48Ux8x12-BK
750	1070	LAN-DC-CBA-42Ux7x10-BK	LAN-DC-CBA-48Ux7x10-BK
	1200	LAN-DC-CBA-42Ux7x12-BK	LAN-DC-CBA-48Ux7x12-BK
600	1070	LAN-DC-CBA-42Ux6x10-BK	LAN-DC-CBA-48Ux6x10-BK
	1200	LAN-DC-CBA-42Ux6x12-BK	LAN-DC-CBA-48Ux6x12-BK

Sides panels part numbers by dimensions

Width, mm	Depth, mm	Height	
		42U	48U
Without brush entry	1070	LAN-DC-CB-42Ux10-SP	LAN-DC-CB-48Ux10-SP
	1200	LAN-DC-CB-42Ux12-SP	LAN-DC-CB-48Ux12-SP
With brush entry	1070	LAN-DC-CB-42Ux10-SPB	LAN-DC-CB-48Ux10-SPB
	1200	LAN-DC-CB-42Ux12-SPB	LAN-DC-CB-48Ux12-SPB

Containment system roof

Panels with a fall-down mechanism
Blind glass panels
Blind metal panels

Aisle doors

Split and sliding
Automatic
Blank panels and PVC curtain

Airflow management

False panels and brush entries
Sealing kits
In-row blanking panel

Cable streams

Trays for cables and PDU
Vertical organizers, cable combs
Cable trays for cabinet's roof

Monitoring per bank
Monitoring per phase

Single-phase (~230B)
Three-phase (~400B)

16A, 32A
16A, 32A, 63A

Measured parameters: voltage, current, active power, power factor, apparent power, reactive power, frequency

LANMASTER INTELLIGENT POWER DISTRIBUTION UNITS

A PDU in a data center is a high-tech power distribution and monitoring device that serves as a key infrastructure component. Its main functions are to deliver sufficient power capacity, supply comprehensive analytics, and improve the resilience of mission-critical equipment.

A wide range of models allows to select a PDU with the necessary functionality for IT systems of any complexity.

LANMASTER Power Distribution Units arranged by category:

- Basic PDU with parameter display on information screen
- Monitoring per phase
- Monitoring per group (bank)
- Monitoring per outlets
- Switching per outlets

Power distribution requirements and objectives in projects can be quite extensive. Furthermore, achieving a balance between cost and functionality is a key consideration in the majority of projects. Therefore, phase-level or group-level (bank) monitoring is often the most optimal solution. We maintain such PDU models, as well as their associated sensors, in regular stock.

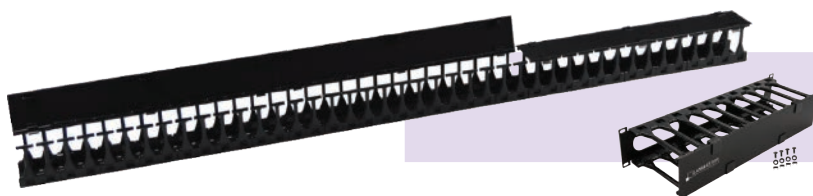
Part number	Description
LAN-PDUVG132C-36L12Z-03BK	LANMASTER PDU, 0U, 1-phase, 32A, 7.7 kVA, monitoring per group, 12 x C19 with fixation + 36 x C13 with locking, 3.0 m cord, IEC309 plug, black
LAN-PDUVG332C-36L12Z-03BK	LANMASTER PDU, 0U, 3-phase, 32A, 22 kVA, monitoring per group, 12 x C19 with fixation + 36 x C13 with locking, 3.0 m cord, IEC309 plug, black
LAN-PDUVM316C-36L12Z-03BK	LANMASTER PDU, 0U, 3-phase, 16A, 11 kVA, monitoring per phase, 12 x C19 with fixation + 36 x C13 with locking, 3.0 m cord, IEC309 plug, black
LAN-PDU-SNS-DR1	Single door position sensor for LANMASTER power distribution units with monitoring capabilities
LAN-PDU-SNS-DR2	Dual door position sensor for LANMASTER power distribution units with monitoring capabilities
LAN-PDU-SNS-TH1	Single temperature and humidity sensor for LANMASTER power distribution units with monitoring capabilities
LAN-PDU-SNS-TH2	Dual temperature and humidity sensor for LANMASTER power distribution units with monitoring capabilities

Options and accessories

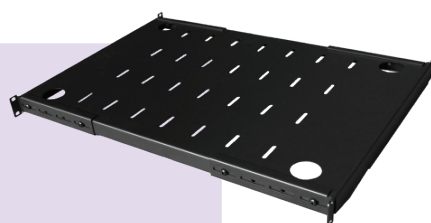
LANMASTER series DC server cabinets provide a flexible solution. The configuration can be tailored to suit diverse applications through the use of various components. An extensive selection of accessories is available for the cabinets in this series, including brush cable entry for roof and floor panels, overhead cable management trays, blanking panels, plinths, and other options.

Cable routing

Cable management solutions warrant special consideration. These offerings differ in construction, dimensions, and installation method. In addition to engineered vertical cable management solutions, a variety of horizontal organizers are offered.



Part number	Description
LAN-DC-CB-xxUx8-VO1x	Vertical cable organizer for LANMASTER DC cabinets, 800 mm width, 2 pcs per set, black (xx — cabinet height, y — organizer size)
LAN-DC-CB-xxUx8-PF/y	Finger bracket kit for LANMASTER DC cabinets — 800 mm width, 2 pcs per set, black (xx = cabinet height, y = comb size)
LAN-DC-CB-4U-PF/S	Universal 4U cable management comb with fingers, 106 mm depth, supplied in sets of two, black
LAN-ORV-17U-8MR	Vertical cable organizer with 8 metal rings
LAN-DC-CB-xxU-VTRyyy	Vertical perforated cable basket for LAN-DC and TWT-CBB cabinets, black (xx — cabinet height, y — basket size)
LAN-DC-CB-HTR-8	Horizontal cable tray for installation between profiles in LAN-DC cabinets, 800 mm width, expandable, 457-762 mm, black
LAN-DC-CB-CTR-Tx	Cable tray for LANMASTER DC cabinet roof (x — cabinet width)
LAN-DC-CB-CTR-Px	Containment partition for DC cabinet roof (x — cabinet width)
LAN-ORG/FO-4U	19" Fiber optics cable manager, 4U
LAN-FOBM-RMS-ORGxU-BK	19" fiber optic cable organizer with telescopic shelf, black (x — organizer height)
LAN-ORG-xU	19" cable organizer with removable plastic rings (x — organizer height)
LAN-ORG-PF/S-xU	19" cable organizer with plastic fingers and cover (x — organizer height)
LAN-ORG/BP-1U	19" cable organizer with brush strip entry, 1U
LAN-ORG/BPMR-1U	19" cable organizer with brush strip entry and 5 metal rings, 1U
LAN-ORG/BPSB-1U	19" cable organizer with brush strip entry and rear mounting bracket, 1U
LAN-ORG/CV-xU	19" cable organizer with cover (x — organizer height)
LAN-ORG/CVP-1U	19" plastic cable organizer with cover, 1U
LAN-ORG/VCM4-1U	19" cable organizer with 4 Velcro ties, 1U



Part number	Description
LAN-DC-CB-S4-xx/280	Shelf with 4-point mounting for LANMASTER DC cabinets, load capacity — 280 kg (xx — cabinet depth)
LAN-DC-CB-S4-xx/45	Shelf with 4-point mounting for LANMASTER DC cabinets, load capacity — 45 kg (xx — cabinet depth)
TWT-CB-SFxxx-1U/18	Front-mounted shelf, 1U, load capacity — 18 kg (xx — shelf depth)
TWT-CB-SFxxx-2U/60	Front-mounted shelf, 2U, load capacity — 60 kg (xx — shelf depth)
TWT-CB-DRW-xU	19" sliding drawer with lock, black (x — drawer height)



Part number	Description
LAN-DC-VNP-xU	19" ventilated blank panel, xU, black (x — panel height)
TWT-CB-FP-xU	19" blank panel, black (x — panel height)
LAN-DC-SPBRP-xU	19" split panel with brush strip entry, black (x — panel height)
LAN-CB-FPP-1U	19" plastic blank panel, 1U, quick-release, black
LAN-CB-FPP-4U	19" plastic blank panel, 4U, split, quick-release, black
LAN-DC-TLBRP-1U	19" panel with brush strip entry, 1U, quick-release, black
LAN-DC-TLMFP-xU	19" metal blank panel, quick-release, black (x — panel height)
TWT-CB-LAMP/LED-M	LED 19" luminaire with magnetic mount, 3.6 W, 3.0 m power cord
LAN-DC-CB-BIP-x	Front underfloor cover for LANMASTER DC cabinets — for foot-mounted installation
LAN-DC-CB-FRM8-CVM	Metal blanking cover for mounting profiles in LANMASTER DC cabinets, 800 mm width
LAN-DC-CB-FRM8-BRE	Brush strip cable entry for mounting profiles in LANMASTER DC cabinets, 800 mm width
LAN-DC-CB-xxUx6-AIS	Perimeter sealing kit for LANMASTER DC cabinets, 600 mm width
LAN-DC-CB-xxUx8-AIS	Perimeter sealing kit for LANMASTER DC cabinets, 800 mm width
LAN-DC-CB-x-10-PL2	Plinth for DC Series cabinets
LAN-DC-CB-FAN6-10	6-fan roof-mounted fans for LANMASTER DC cabinets, 1070/1200 mm depth
TWT-CB-DOC-PKT-Ax	Document pocket, plastic (x — product size)

