NX1 BASIC PDUs

WHERE FLEXIBILITY AND ROCK-SOLID RELIABILITY MEET

#LegrandImprovingLives

legrand®

NX1 BASIC PDUs
Ensuring reliability, convenience and safety

The NX1 Basic PDUs have been carefully designed to adapt to the diversity of our customers' configurations.
These secure, non-networked PDUs provide the highest power distribution reliability while offering the flexibility to adapt to your specific needs.

BASIC FEATURES MEETING ESSENTIAL NEEDS

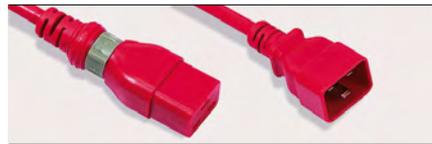Equipped with C13 and C19 outlets, the NX1 Basic PDUs offer several key features.

CORD LOCKING SYSTEM

· For absolute safety, our autolocking outlets provide 100 Newton retention force
· No risk of accidental disconnection due to human error or vibration
· Compatible with all standard C14 and C20 plugs: no need for specific cords

NUMBERED OUTLETS

· Individual circuits and power outlets numbered from the input
· Facilitated power cord dressing

IMPROVING UPTIME

· 60°C rating aluminum chassis: the compact aluminum chassis withstands high ambient temperatures
· Hydraulic magnetic circuit protection: the NX1 platform offers hydraulic magnetic miniature circuit breakers with high ambient temperature tolerance for tripping, and high interruption capacity

PDU COLOR-CODING

· Color-coded circuits and chassis are available on demand when extra identification is needed

POWER CORDS WITH SERVER SIDE LOCKING

· Unique rotary locking mechanisms on C13 and C19 fitting any C14 and C20 server inlets
· Already secured on the Legrand PDU side thanks to the standard cord locking system

330° ROTATING INPUT CORD

· Reduces tension on input
· Facilitates cable orientation and rack integration

A DIVERSE RANGE FOR OPTIMAL ADAPTABILITY

We have designed a compact offering based on 3 PDU models to cover the most common data center specifications and the fastest deployment time.

Basic PDU

Includes all basic features.

Basic HD PDU

Includes all basic features, plus **High Density outlet modules.**

BENEFIT FROM:

· more compact form factors
· better airflow in the rack

Basic PDU with Local Power Meter

Available in High Density and non-High Density versions. Includes all basic features, plus a **hot-swappable energy management device.**

BENEFIT FROM:

· visibility of all energy data: Amps, kWh, Volts, Power factor
· local alerts if load exceeds 80% of available capacity per line/circuit (beeping)
· phase, circuits and branch measurements with ±1% metering accuracy

The metering controller can be removed and replaced without turning down the PDU.

A CUSTOMIZABLE OFFERING TO MEET YOUR SPECIFIC NEEDS

The NX1 Basic PDUs can be configured as per your request!

NX1 BASIC PDUs
Providing fast configuration to order

The NX1 Basic PDUs have been carefully designed to adapt to the diversity of our customers' configurations. These secure, non-networked PDUs provide the highest power distribution reliability while offering the flexibility to adapt to your specific needs.

OUTLET TYPES

- Our standard offer delivers a combination of C13 and C19

- PDUs can be configured by combining up to 3 outlet types: C13, C19, German, UTE or BS 1363

NUMBERING AND COLOR-CODING PER CIRCUIT OR PER FULL UNIT

- Our offer delivers black PDUs with numbering starting close to the inlet

- PDUs can be configured with numbering starting or finishing close to the inlet

- Various finishes available: red, blue, green, magenta, grey, orange, yellow, white or brown

FORM FACTOR 0U, 1U

- PDUs can be configured for 19" mounting or vertical mounting

- The new chassis design allows for high density C13 and C19 outlets to pack the most outlets in the smallest form factor

INPUT TYPE AND CORD LENGTH

- Choose inlet position:
  - top or bottom for 0U PDUs
  - left or right for 1U PDUs

- Choose inlet cord type:
  - at the front with rotatable cable entry
  - at the end with cable gland
  - IEC 60306, C20, C14, German, French, British or stripped connector

- Choose cable length from 0.5 to 6 meters in steps of 0.5 and between standard cables or LSZH ones

- Choose PDUs without inlet cords but inlet connections instead. C20 inlet, C14 inlet or to be wired on terminal block

ADDITIONAL FUNCTION

- LED power indicator available as an option to visually identify a powered PDU

Contact your local sales representative to create a configuration that meets your very specific needs!

Power Distribution Units (PDU)

Basic, Basic HD and Basic with Local Power Meter

NX1-BM1300

NX1-BHD3301

To provide ∿ electric power for IT equipment in 19" enclosures
32 A PDUs are equipped with hydraulic magnetic circuit protection with high current interruption capacity. Hydraulic magnetic circuit breakers are not affected by ambient temperature
330° rotating cable input for a perfect orientation of the cable and no interference in the cabinet
IEC 60320 C13 and C19 outlets. Each C13 and C19 outlets are numbered gradually from the input and equipped with cord locking system to avoid any accidental disconnection (100 Newton retention force)
High Density (HD) PDUs provide a high density of C13 outlets to optimize outlet quantity and PDU length
High ambient temperature rating: 60°C
Aluminium chassis
Zero-U PDUs for vertical mounting in the cabinet. Supplied with standard and button-type mounting brackets

Pack	Cat.Nos	**Basic PDU**
		Single phase - 16 A 230 V - 50/60 Hz power supply
1	NX1-B1100	18 C13 outlets + 6 C19 3 m power supply cord with IEC 60309 16A plug
1	NX1-B1101	20 C13 outlets + 4 C19 C20 inlet (can receive power cables Cat.No 6 469 05 and 6 469 06)
		Single phase - 32 A 230 V - 50/60 Hz power supply
1	NX1-B1300	20 C13 outlets + 4 C19 3 m power supply cord with IEC 60309 32A plug
1	NX1-B1301	12 C13 outlets + 12 C19 3 m power supply cord with IEC 60309 32A plug
		Three phase - 16 A 400 V - 50/60 Hz power supply
1	NX1-B3100	21 C13 outlets + 3 C19 3 m power supply cord with IEC 60309 16A plug
1	NX1-B3101	24 C13 outlets + 6 C19 3 m power supply cord with IEC 60309 16A plug

Pack	Cat.Nos	**Basic PDU with Local Power Meter**
		Local Power Meter module monitors voltage (V), current (A), active power (kW) and energy (kWh) Phase and circuits measurements: +/- 1% metering accuracy Data's display on SLCD screen Buzzer alarm Hot swappable architecture
		Single phase - 32A 230 V - 50/60 Hz power supply
1	NX1-BM1300	20 C13 outlets + 4 C19 3 m power supply cord with IEC 60309 32A plug

Pack	Cat.Nos	**Basic HD PDU**
		Single phase - 32 A 230 V - 50/60 Hz power supply
1	NX1-BHD1300	24 C13 outlets + 12 C19 3 m power supply cord with IEC 60309 32A plug
1	NX1-BHD1301	36 C13 outlets + 6 C19 3 m power supply cord with IEC 60309 32A plug
		Three phase - 16 A 400 V - 50/60 Hz power supply
1	NX1-BHD3101	24 C13 outlets + 12 C19 3 m power supply cord with IEC 60309 16A plug
1	NX1-BHD3100	36 C13 outlets + 6 C19 3 m power supply cord with IEC 60309 16A plug
		Three phase - 32 A 400 V - 50/60 Hz power supply
1	NX1-BHD3300	24 C13 outlets + 12 C19 3 m power supply cord with IEC 60309 32A plug
1	NX1-BHD3301	36 C13 outlets + 12 C19 3 m power supply cord with IEC 60309 32A plug
1	NX1-BHD3302	36 C13 outlets + 6 C19 3 m power supply cord with IEC 60309 32A plug

Pack	Cat.Nos	**Basic HD PDU with Local Power Meter**
		Local Power Meter module monitors voltage (V), current (A), active power (kW) and energy (kWh) Phase and circuits measurements: +/- 1% metering accuracy Data's display on SLCD screen Buzzer alarm Hot swappable architecture
		Three phase - 16 A 400 V - 50/60 Hz power supply
1	NX1-BMHD3100	36 C13 outlets + 6 C19 3 m power supply cord with IEC 60309 16A plug

Configure To Order: Need another configuration and/or functions ? Legrand is organized to configure PDUs as per your request.
Please contact your sales representative

6 441 01   6 442 07

Pack	Cat.Nos	**Power cords C14 to C13 plugs**
		Server side locking Unique rotary mechanism on C13 plug that fits any standard C14 inlet Set of 10
		Black
1	6 441 00	Length 0.5 m
1	6 441 01	Length 1 m
1	6 441 02	Length 1.5 m
1	6 441 03	Length 2 m
		Red
1	6 441 06	Length 0.5 m
1	6 441 07	Length 1 m
1	6 441 08	Length 1.5 m
1	6 441 09	Length 2 m
		Blue
1	6 441 12	Length 0.5 m
1	6 441 13	Length 1 m
1	6 441 14	Length 1.5 m
1	6 441 15	Length 2 m

Pack	Cat.Nos	**Power cords C20 to C19 plugs**
		Server side locking Unique rotary mechanism on C19 plug that fits any standard C20 inlet Set of 10
		Black
1	6 442 01	Length 1 m
1	6 442 02	Length 1,5 m
1	6 442 03	Length 2 m
		Red
1	6 442 07	Length 1 m
1	6 442 08	Length 1,5 m
1	6 442 09	Length 2 m
		Blue
1	6 442 13	Length 1 m
1	6 442 14	Length 1,5 m
1	6 442 15	Length 2 m

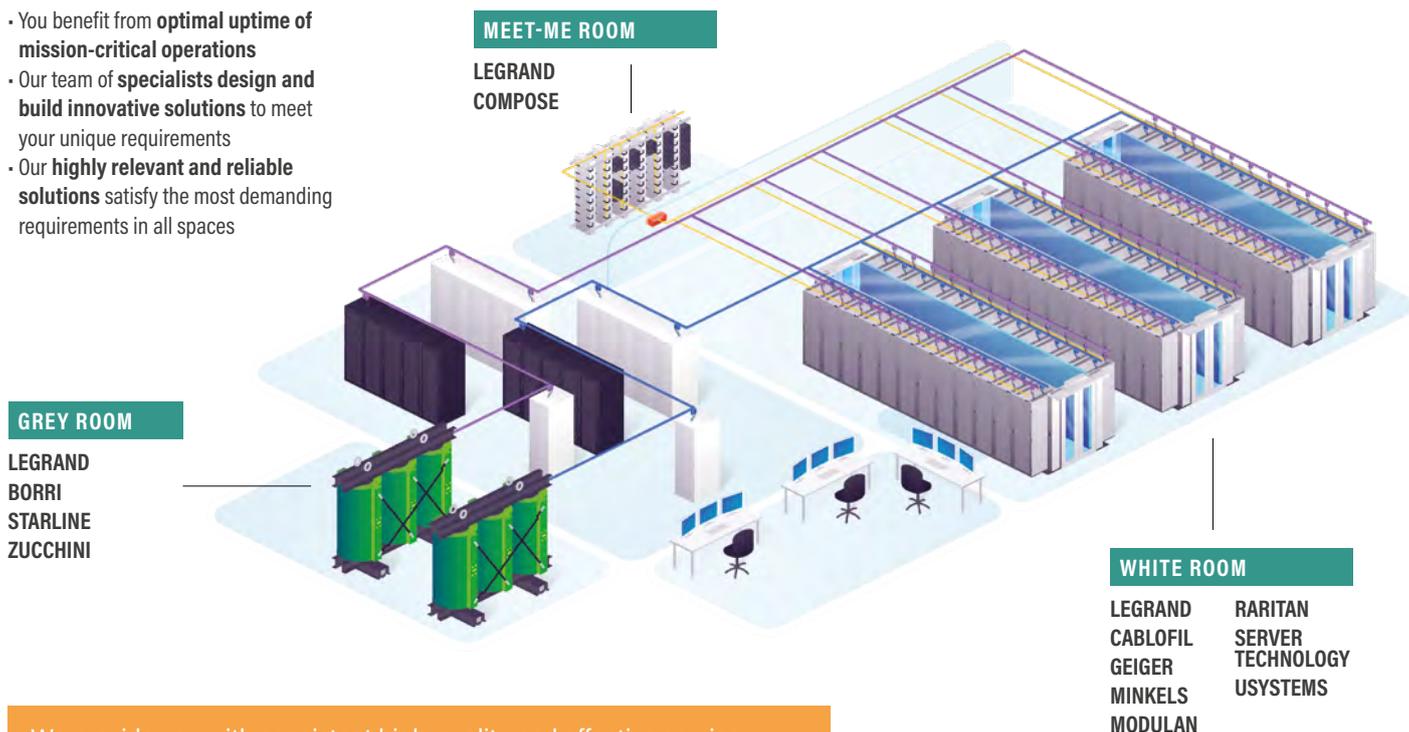| Pack	Cat.Nos	**Accessories for all PDUs**
		Power cables Cable IEC 60320 C19 to IEC 60309 16A 2P+E plug Rotary locking mechanism on C19 plug that fits any standard C20 inlet to avoid accidental disconnection
1	6 469 05	Length 1.5 m
1	6 469 06	Length 3 m
		Brackets
1	9 812 27	1 set of Zero-U PDU mounting bracket for Nexpand rack
1	9 812 28	10 sets of Zero-U PDU mounting bracket for Nexpand rack
		Locking caps To block the use of an outlet. A key is necessary to remove the cap and free the access Light grey RAL 7035
6	6 468 94	Set of 6 locking caps for C13 outlet + 1 key
6	6 468 95	Set of 6 locking caps for C19 outlet + 1 key

THE LEGRAND GROUP
A skilled and committed data center partner

INFRASTRUCTURES POWERED BY EXPERTS

Trust Legrand to empower your data center infrastructure: its extensive know-how, award-winning solutions, specialist brands and expert teams make the Group a partner of choice.

- You benefit from **optimal uptime of mission-critical operations**
- Our team of **specialists design and build innovative solutions** to meet your unique requirements
- Our **highly relevant and reliable solutions** satisfy the most demanding requirements in all spaces

MEET-ME ROOM

LEGRAND
COMPOSE

GREY ROOM

LEGRAND
BORRI
STARLINE
ZUCCHINI

WHITE ROOM

LEGRAND	RARITAN
CABLOFIL	SERVER
GEIGER	TECHNOLOGY
MINKELS	USYSTEMS
MODULAN	

We provide you with consistent high-quality and effective service operations through **local and central expert teams who work together to deliver you the same level quality wherever you are.**

A STRONG COMMITMENT TO SUSTAINABLE DATA CENTERS

Sustainability has been everybody's challenge for years.

#LegrandImprovingLives means creating a more sustainable world for everybody. It is the Group's ambition to actively **contribute to the development of a low-carbon society**, in keeping with the RoHS directive (2015/863/UE) and the LEED Green Building Rating System.

In line with its CSR guidelines, not only does Legrand work on **reducing its carbon footprint** to fight climate change, but it gives priority to the **development of a circular economy approach**, limiting the quantity of materials used and promoting the reuse of materials. In connection with professional associations BICSI and The Green Grid, it aims to set the standard for **energy-efficient design.**

Every day, Legrand Group takes more steps on the path to green data centers.
As a proof of our circular economy approach, we provide customers with certified environmental declarations (Product Environmental Profiles - PEP), available on demand.

← READ MORE ABOUT THE LEGRAND GROUP'S CSR STRATEGY ONLINE

We Go Further.

Managing a data center is **complex**. It requires careful consideration of a range of factors to ensure **performance**, **reliability**, **scalability**, and **sustainability**.

To help you **navigate these challenges**, we offer tailored **grey and white space** solutions at scale to meet individual needs through our **specialist brands** that include **Minkels**, **Raritan**, **Server Technology**, **Starline**, and **USystems**.

Our approach combines **technical expertise** with a deep commitment to **sustainability**, helping you **optimize data center performance** while reducing environmental impact. We build enduring partnerships with our clients grounded in **trust**, **collaboration**, and **shared aspirations**. Whether **improving reliability** or **increasing efficiency**, we work to ensure that every detail is correct.

With our support, you can approach the **future with confidence**, knowing that your data center is ready for what's next.

#Legrand**ImprovingLives**

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DATA CENTER SOLUTIONS

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