# Intelligent COMPACT SERVER ROOM GERMAN ENGINEERED

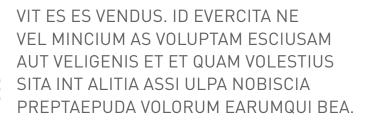




#### WARNING

Wording of this page to be checked by your Indian legal department. The way we communicate this kind of agreement to the market might have an impact on our financial communication: so it's very important that the wording is correct from a legal/ business point of view.

# COMBINING OUR STRENGTHS



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The introduction text should explain that Legrand has concluded a commercial agreement with Stulz, what is the content/ nature of this agreement and what it aims at.



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Here you can explain the benefits of this partnership for the customer





# STULZ

# Global leaders in data center climate control

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Short presentation of Stulz company. Which facts, figures and products you show needs to be decided by you, probably together with Stulz.





**XX** SUBSIDIARIES

X PRODUCTIONS SITES

SALES SERVICE PARTNERS IN OVER XXX COUNTRIES

## **LEGRAND**

# The global specialist in electrical and digital building infrastructures

LEGRAND offers a comprehensive range of solutions and services tailored to the needs of residential, commercial and industrial markets.

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Details and products to be shown - to be decided by you



OVER 300,000 CATALOGUE ITEMS

MORE THAN 90 PRODUCT FAMILIES

PRODUCTS MARKETED IN NEARLY
190 COUNTRIES

LOCATIONS IN CLOSE TO 90 COUNTRIES





# ZERO HASSLE QUICK DEPLOYMENT COST EFFECTIVE





Plug and Play

Engineered server cabinet with in-built power distribution, cooling and optional UPS.

Safe

Automated emergency fans with door opening on overheating. Smoke sensor with fire alarm. Ultrasonic rodent repellent.

Secure
Secured with biometric access and optional IP cameras.

**Convenient** 

Place anywhere indoors. Does not require air conditioned environment.

**Modular** 

Flexible configuration of up to 8 racks. Scale as you grow.

Up to half the space and half the power bills vs traditional server rooms.

Reliable
Suitable for 24/7 operations

with highest uptime.

# STANDARD EDGE MODULES





#### **Smart Factory**

#### Auto | Pharma | Semi-conductor Manufacturing

- Single cabinet
- Side mounted DX air or chilled water cooled system options
- Size options: 30U/42U/47U/52U
- Brand neutral UPS and PDU
- Ultrasonic rodent control
- Touchscreen control panel
- Cable and keyboard trays
- Fire detection, auto-door opening, emergency fans, hooter and alarm
- Front door biometric access
- Environment monitoring system (EMS)

#### **Bank Branch | Hospital**

- Double cabinet
- Side mounted DX air or chilled water cooled system options
- Size options: 42U/47U/52U
- Brand neutral UPS and PDU
- Ultrasonic rodent control
- Touchscreen control panel
- Cable and keyboard trays
- Fire detection, auto-door opening, emergency fans, hooter and alarm
- Front door biometric access
- Environment monitoring system (EMS)





#### University Campus | Research Lab | Animation Studio

- Multiple cabinets
- Double side mounted cooling with DX air or chilled water cooled system options
- Size options: 42U/47U/52U
- Brand neutral UPS and PDU
- Ultrasonic rodent control
- Touchscreen control panel
- Cable and keyboard trays
- Fire detection, auto-door opening, emergency fans, hooter and alarm
- Front door biometric access
- Environment monitoring system (EMS)



# STANDARD HUB MODULES





#### **Retail Outlet | Small Commercial Office**

- Single cabinet
- In rack DX air cooled system
- Size options: 30U/ 42U/47U
- Brand neutral UPS and PDU
- Ultrasonic rodent control
- Touchscreen control panel
- Cable and keyboard trays
- Fire detection, auto-door opening, emergency fans, hooter and alarm
- Front door biometric access
- Environment monitoring system (EMS)

#### **Mid-size Commercial Office**

- Double cabinet
- In rack DX air cooled system
- Size options: 42U/47U/52U
- Brand neutral UPS and PDU
- Ultrasonic rodent control
- Touchscreen control panel
- Cable and keyboard trays
- Fire detection, auto-door opening, emergency fans, hooter and alarm
- Front door biometric access
- Environment monitoring system (EMS)





#### **Hotel | Airport | Commercial Building**

- Multiple cabinets
- Side mounted DX air cooled system
- Size options: 42U/47U/52U
- Brand neutral UPS and PDU
- Ultrasonic rodent control
- Touchscreen control panel
- Cable and keyboard trays
- Fire detection, auto-door opening, emergency fans, hooter and alarm
- Front door biometric access
- Environment monitoring system (EMS)

#### **RACK CONSTRUCTION**

600/800 mm wide heavy duty steel with powder coat finish

#### **EMS**

**Environment Monitoring System** 

#### **POWER DISTRIBUTION**

Brand neutral smart PDUs

## **RODENT CONTROL**

Ultrasonic Rodent Repellent

#### **CABLE MANAGEMENT**

Universal cable tray

## **PROGRAMMABLE CONTROLLER**

Touchscreen controller for environment monitoring

## **LIGHTING**

Internal LED lighting



## REMOTE MO

Modbus

<b>O</b>	PT	NS

Rear Door
Biometric
Access

IP Camera
Surveillance

Dual	Power		
Source			

Pressure
Sensor

Brand
neutra
LIDC

Fire Supp



#### **BIOMETRIC ACCESS**

Front door secured with biometric access system



SIZE

30U/42U/47U/52U

#### COOLING

Powerful, efficient climate cooling and control with EC fan technology and drain pump

#### **OVERHEATING AND FIRE PROTECTION**

Auto door opening, emergency fans, smoke detector, fire alarm, hooter and light

#### **SIDE CABINET**

400 mm wide side cabinet for higher heat loads and redundant cooling

#### **INSTRUMENTATION**

Temperature, humidity and door status sensors. Water drip detector.



ONITORING

over IP

Intelligent Humidity Control Condensate Customized \*Further Colours Options Available on Request

#### **MODULAR COOLING**

DX, Chilled Water and Direct Liquid-to-Chip Cooling Options







- The side-mounted solution provides 5-40kW cooling capacity
- Minimal energy consumption
- Precise temperature control
- Available in chilled water and DX aircooled options
- Front and back maintenance access
- Optimum adaptation to different return and supply air temperatures using EC fan technology





- DX air-cooled system
- Internal 3.5kW(4U) or 7kW(8U) per unit for additional cooling
- Minimal energy consumption
- Precise temperature control





- Up to 80kW of chip level cooling per rack (at 30°C facility water)
- Internal mount utilizes 2U-4U
- Manages more than 120 servers
- Quick and easy maintenance
- Requires only 652 W
- Servers remain hot-swappable for service
- High temperature return water can be reused for heat recovery



## PAN INDIA SMART SERVICE NETWORK

Company Trained Factory Technicians Connected Over Service App



ONSITE SERVICE SUPPORT ON DEMAND
Round the Clock



Use your usual Indian backcover version - with Legrand contact data.



#### CONTACT DATA LEGRAND INDIA

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