

FEATURES

- Fast deployment
- All-in-one design and easy to use
- No dedicated IT room required
- Dust protection and noise insulation
- Built-in high efficiency UPS, air-conditioning, power distribution, and security control
- Integrated power management
- Large 7-inch LCD touch panel for local monitoring (9-inch for integrated)
- Suitable for network closet and small office

Enterprises in today's dynamic era need to address these concerns with a streamlined solution in a well-planned ecosystem followed by easy upkeep, all in a low carbon, compact footprint.

There is a need for a turnkey infrastructure for edge applications that includes:

- Standardized configurations that are tailored to the application, factory integrated, validated and tested.
- High availability with network independent remote management and extensive emergency service coverage.
- Secure physical and remote access with on-site intrusion detection and user rights-driven remote management

SmartCabinet™ - a pre-configured, self-contained solution that offers the efficiency, economy,

- **Economical** - Reduces implementation costs compared to conventional solutions
- **Simplified** - Maximize use of existing infrastructure and gets up-and-running in a matter of weeks
- **Controllable** - Enforce add / change policies, speeds IT administration request response times significantly



600mm width
with integrated condenser



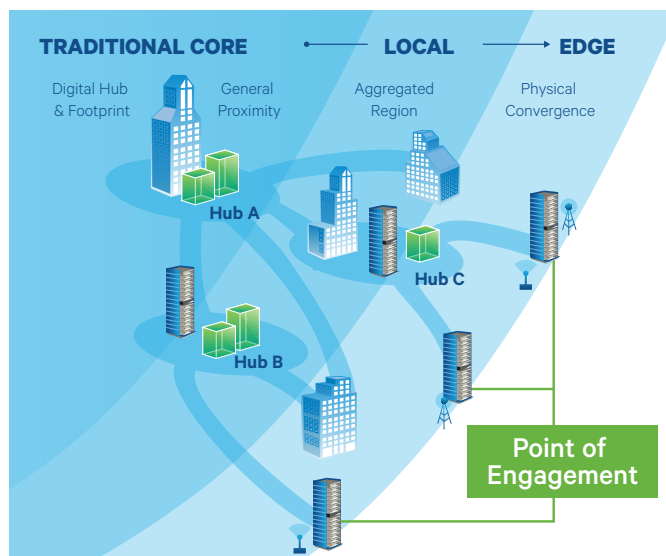
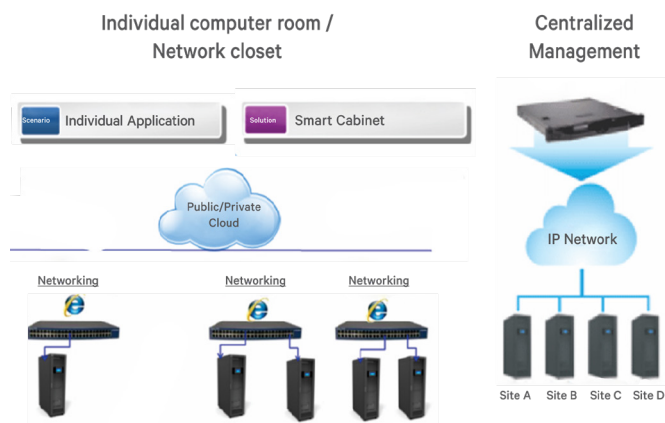
800mm width
with external condenser



600mm width
with external condenser

Intelligent Infrastructure

Advanced monitoring solution to all the SmartCabinet™ using RDU-M



DISTINCTIVE BENEFITS IN SMALL SIZES

- Components work as an integrated force
- Fully-protected from dust, moisture, and rodents
- Emergency temperature control cooling
- Integral UPS & back-up autonomy
- Standard Class C lighting protection
- Integrated fire suppression system



EFFICIENT I & C

- Rapid deployment with single day boot-up
- Factory-assembled and pre-loaded
- Doesn't require outdoor units to be installed
- Fits in your existing whitespace



SAVINGS ON ELECTRICITY BILLS

- Equipped with a variable frequency compressor for capacity modulation at part loads
- Pre-defined path for cold air and hot air circulation
- Annualized PUE < 1.5



THINK SMART, ACT SMART

- 9-inch touch screen + remote WEB access
- Remote door access control
- Centralized control for 256 units
- SMS & Emails can be registered for notifications
- The door & in-cabinet lights operate intelligently
- Intelligent monitoring & control with RDU-M

Key Components



- 1 Power Management Unit with UPS bypass**
Outlet switched Power Distribution Unit (PDU) distribute power to IT equipment and turn on emergency fans during power outages.

- 2 7" touch panel display for local monitoring**
User-friendly display provide easy access to information for power, thermal management, environments, and security.

- 3 Blanking panels**
Tool-less solid filler panels that improve airflow and appearance of the rack in seconds.

- 4 Temperature sensor**
Temperature sensors at front (cold aisle) and at/rear (hot aisle) report critical environmental information and alarm users if exceeding configurable threshold.

- 5 Air-conditioning unit**
Separate cold air and hot air channels to prevent hot exhaust air from circulating to the front of the cabinet.

- 6 Emergency Fans (front)**
Two emergency fans automatically run during power outages ensuring continuous cooling capability.

- 7 Emergency Fans (rear)**
Two emergency fans automatically run during power outages ensuring continuous cooling capability.

- 8 Temperature sensor**
Temperature sensors at front (cold aisle) and at/rear (hot aisle) report critical environmental information and alarm users if exceeding configurable threshold.

- 9 Rack PDU (2x pcs)**
Provide at-the-rack access to servers, making software upgrades, troubleshooting and system monitoring convenient and less time consuming.

- 10 UPS and battery**
5kVA On-line double conversion UPS and battery cabinet ensures clean power feeding to critical IT equipment. It also provides backup power to emergency fans during power outages.

- 11 Water Leakage Detection**
Water leak sensor provides additional security for critical IT equipment.

- 12 LED lighting**
Low power consumption LED lights that automatically light up when door is opened.

- 13 Web/SNMP management card**
Providing secure and remote out-of-band connections to the servers and serial ports. This unified approach enables IT administrators a faster method to diagnose, configure or restore equipment to meet SLAs and minimize downtime.

- 14 Door sensor**
The door access sensors at front/rear report alarms on unauthorized access.

Best suited for these applications:



Banking,
Financial and
Insurance



Broadcast and
Entertainment



Data Centre /
Colocation / Hosting



Education



Government



Healthcare



Manufacturing



Retail and
Wholesale



Telecom

Technical Specifications

Parameter	600mm wide integrated unit	600mm wide split unit	800mm wide split unit
Cabinet Size (HxWxD)	2100 x 600 x 1200 (mm)	2000 x 600 x 1200 (mm)	2000 x 800 x 1200 (mm)
Usable U space	18U	29U	29U
Air Flow Management Panel	5U x 3, 2U x 3, 1U x 2	5U x 3, 2U x 3, 1U x 2	5U x 3, 2U x 3, 1U x 2
Outdoor Unit for Air conditioner	Integrated	Yes (Split)	Yes (Split)
Vertical Cable Management Panel	2	2	2
Area (incl. service space)	1.5 m2	1.5 m2	2.0 m2
Color	RAL7021 Black		
IP Marking	IP5X		
Display panel	9" Touch Panel LCD		
Display Languages	English / Chinese		
LED Lighting	2, Front & Rear		
System Luminance	88lux/1M		
UPS Capacity	5 kVA		
UPS Backup time	10 minutes @ 3 kW		
System Capacity	3 kW		
System Input Requirement	Single Phase 220 V, 230 V, 240 V		
System Frequency	50Hz or 60Hz		
Power Distribution Units (PDU)	16A input , 12 x C13 + 4 x C19	32A input , 18 x C13 + 6 x C19	
Lightning Protection / Surge Suppression	Level 3, 20KA		
Maintenance Bypass	Included		
Cooling Capacity	1,800W ~ 3,500W, variable speed		
Refrigerant	R410A		
Emergency fan	Two, one at front bottom and one at rear top		
System Management (UPS/Cooling/PDU)	Yes		
Temperature Sensor	2		
Water Leak Detection	1 piece, 5 meters long		
Door Access Sensor	2		
Safety Standards	EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013		
EMC Standards	EN 55022:2010 EN 61000-3-11:2000 EN 55024:2010 EN 61000-3-12:2011		
Noise Level	< 58 dB1	< 50 dB1 (excluding outdoor unit)	
Net Weight	290kg	230kg	255kg

*Conditions apply

* Specification are subject to change without any further notification

* 1 - Higher than Class 2 Decibel level in Environmental Quality standard for Noise local standards