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# Fortress 500 G7

## Data Centre In a Rack

3.5kW / 8kW / 15kW Edge Rack Solution



ION Fortress 500 G7 offers you all the capability of a reliable data centre in a small, easy to manage and easy to deploy solution. This complete IT infrastructure acts like a data centre but in a rack™ incorporating power, thermal management, power distribution and monitoring in a sound attenuated enclosure. Perfect for businesses that want to take back their bricks and mortar eliminating any need to build additional server rooms for Edge of the Cloud applications. ION Fortress 500 is preconfigured, pre-installed and factory tested, ensuring system compatibility and ready to use from installation on day one. Designed to easily take it with you when you move.



## Fortress 500 G7 FEATURES

- 3 Year Warranty
- High grade powder coated construction
- Fully contained for dust protection and sound minimisation
- Access control through HID Swipe Card, Local LCD interface, Remote Authentication or physical key
- LED Lighting (Cabinet internal Lighting, LED tube, front and rear doors) Ambient light strip (blue at 18-25°C, red at 25°C, white on open)
- Environment and security monitoring
- Optional Emergency exhaust venting
- Standard 3kVA online double conversion UPS
- Efficient 3.5kW / 8kW or 15kW air cooled rack mount unit
- Power distribution
- 255mm user friendly LCD touch panel

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## Data Centre In a Rack

### Specifications

Fortress 500 G7	
<b>Enclosure</b>	
Rack Height	42 RU
Useable U (Standard Configuration)	31U
Depth	1400mm
Vertical Cable Managers	2
Audible Noise	< 50dB (Excluding Outdoor Unit)
IP Rating	IP52
Rack Dimensions	W600 x D1400 x H2000mm
<b>UPS</b>	
UPS	3KVA Online Double Conversion/Custom solutions available
Extended Run Time	Custom runtime configurations available
Redundancy	Optional
Maintenance bypass	Optional
<b>Monitoring</b>	
Display Panel	255mm LCD
Access Control	HID Swipe Card Reader, Remote Authentication, key
<b>Sensors</b>	
Environmental	Temperature, Humidity, Smoke, Water
Temperature Sensors	One (1) Outside, One (1) Front Door, One (1) Rear Door, One (1) Supply Air and Return Air
Internal Lighting	LED One (1) Front and One (1) Rear
<b>Cooling</b>	
Cooling Capacity	5U 3.5kW / 8kW / 15kW In rack Inverter Cooler
Cooling Type	Air Cooled
Refrigerant	R410A
Emergency Exhaust Fans	Optional Independent Temperature Controlled Exhaust Fan (
Condenser Dimensions	W546 x D279 x H783mm
<b>Power Distribution</b>	
Surge Protection	Level 3 20KA
Distribution	3U rack mount distribution module including Schneider input / output circuit breakers
System Input Breaker	63Amp
Nominal Voltage / Frequency	240VAC, 50Hz
Power Distribution	Two (2) Basic vertical PDU's 4 x C19, 12 x C13 outputs Optional Metered or Switched PDUs
<b>Fire Suppression</b>	
Fire Suppression	Optional 2U Rack Mount Novec 1230
<b>Conformance</b>	
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
Warranty	3 Year Warranty*

\*Product specifications are subject to change without further notice.

\*3 Year Warranty based on Fortress being under a maintenance contract for the Cooling and UPS component.