



Configuration
 Intel® Dual-core Atom™ D2550 (1.86GHz) processor
 4G DDR3 memory
 128G Solid State Drive (SSD)
 1 6x 2 characters LCD Display with 5 control buttons
 Dual Broadcom Gigabit Ethernet
 RJ-45
 1 x RS-232 console port
 1 x RS-232 dialer interface port
 1 x Rear USB 3.0 ports
 Small Form Factor Chassis 1.75”H x 12”W x 8”D
 Convertible to 1U with rack mount ear kit (included)
 Wall mountable with wall mount kit (included)
 DC12V 5A 60W AC Adapter with C8 (included)
 Operating system: Linux

Specifications

Environment	Operating Temperature: 0 to +55 °C	Certification	FCC, CE, UL, RoHS
	Non-operating temperature: -20 to +70 °C		
	Vibration-Operating: 9.8 m/s ² (1.0G)		
	Shock-Operating: 3,920 m/s ² (400G)		
	Shock-Non-Operating: 8,820 m/s ² (900G)		

Application

The PowerCUBE 300 is a powerful, low cost server used for small to medium sized Freedom installations. The PowerCUBE 300 is deployed as a primary site server platform to run the Freedom application software, which is purchased separately.

Application	Network appliance; security	Bridge Communication Support	Primary, Secondary, Tertiary
Software installation	Factory	Back-up Device	USB 3.0 external hard drive, network share device and server DB replication
Intended use	Primary server, bridge load balancing, large remote sites	Local daily back-up routines	Yes
Number of users	500,000	Alarm Management System (AMS) monitoring integration	Yes
Number of user groups	250,000	Multiple time zones	Yes
Number of time schedules	1,000	LCD display	Yes
Number of controlled areas	500	Logical “if / then” statements	Yes
Number of administrative domains	25	Telephone entry support	Yes
Web administration interface	Yes	Multiple bit formats for cards	Yes
Concurrent Administrators	10	Enrollment reader	Yes
Reader licenses included	No	Anti-pass back	Yes
Reader license bundles	16, 32, 64, 128, 256+	Advanced emergency mustering	Yes
Number of readers	300 max	Elevator control	Yes
Number of bridges	300 max	Support for Freedom Active Directory	Yes
Estimated data retention (activity based)	90 days	API for integration	Yes
PowerCUBE PN	50-40-PWCB300	AES 256 bit encryption	Yes