

S1000 Controller

Feel secure anywhere, anytime with the S1000 Controller. Manage access control, alarms and building management functions remotely and securely when connected to PACOM VIGIL CORE.

Robust and compact, the S1000 Controller has a built-in battery charger, wide supply range and 4G capability. It can handle temperatures up to 70°C, making it ideal in harsh, remote environments.



FEATURES

- Standalone operation capability
- Can weather harsh environments
- Digital and analog inputs software configurable
- Built-in battery charging for SLA or Li-ion batteries
- IoT Smart Devices
- BLE local setup and control
- WAN/LAN remote operation
- 4G capable
- Modular configuration using expansion cards and remote externally connected OSDP devices
- Sensor monitoring

TECHNICAL SPECIFICATIONS

PCB only: 165mm (w) x 100mm (h) x 40mm (d) (6.5" x 3.9" x 1.6") In large metal enclosure: 469mm (w) x 254mm (h) x 91.2mm (d) (18.5" x 10.0" x 3.6") In small metal enclosure: 360mm (w) x 250mm (h) x 110mm (d) (14.2" x 9.8" x x 3.9")Packed weightCB only: 150g (5.302) In large metal enclosure: 5200g (183.402) In small metal enclosure: 4500g (158.702)Furvionmental	Physical					
In large metal enclosure: 5200g (183.402) in small metal enclosure: 4500g (158.702)EnvironmentalOperating temperature0°°C (14°F) to 70°C (158°F) (12.92°F)Maximum humidty95% ± 5% relative humidity (non-condensing) at 30°C (86°F)EnterticalFower consumptionUpically 120mA at 12VDC UL 294: 1.46V at 12VDC input with full load; 1.22A at 30VDC input with full loadPower onsumptionover consumptionPower protectioncestable fuse 3.0APower supply and try0VDC to 60VDC (UL 294: 15VDC to 30VDC)Power supply and try00VDC to 60VDC (UL 294: 15VDC to 30VDC)Power supply and try00VDC to 60VDC (UL 294: 15VDC to 30VDC)Power supply and try00VDC to 60VDC (UL 294: 15VDC to 30VDC)Power supply and try00VDC to 60VDC (UL 294: 15VDC to 30VDC)Power supply and try00VDC to 60VDC (UL 294: 15VDC to 30VDC)Power supply and try00VDC to 60VDC (UL 294: 15VDC to 30VDC)Onboard battery00 points SLA or LLion batteries (Lion batteries are not UL verified)Supply000000000000000000000000000000000	Dimensions	In large metal enclosure: 469mm (w) x 254mm (h) x 91.2mm (d) (18.5" x 10.0" x 3.6") In small metal enclosure: 360mm (w) x 250mm (h) x 110mm (d) (14.2" x 9.8" x				
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Program flash2MBData flash4MBEEPROM512K	Dual flash memory					
Data flash 4MB EEPROM 512K	SRAM	1MB				
EEPROM 512K	Program flash	2MB				
	Data flash	4MB				
Processor ARM 7 32-bit at 200MHz	EEPROM	512K				
	Processor	ARM 7 32-bit at 200MHz				

TECHNICAL SPECIFICATIONS - CONTINUED

Onboard I/O	Onboard I/O				
Inputs	8 multi end-of-line monitored inputs or analog 0V to 10V inputs UL 294:NA) The default is 10K, but programmable from 1K to 50K (UL 294: 10K)				
Outputs	2 relay NO/NC dry contact 0.5A at 120VAC (UL 294: NA) / 1A at 24VDC 3 O/C 0V to 24V at 250mA				
Readers	2 Wiegand D0/D1 (door contact, egress, door strike, green/red LED control, buzzer)				
Database					
Card/user capacity	1000 by default 500000 with an SD card				
Transaction storage	1000 by default 65000 with an SD card				
Holidays	100 dates 5 holiday types				
Time zones	150				
Alarm					
Inputs	254 maximum				
Outputs	192 maximum				
Intrusion areas	32 maximum				
Alarm keypads	16 maximum				
Devices	32 maximum 150 maximum with an SD card				
Tamper input	1 top and 1 bottom				
Access control					
Card formats	128-bit cards maximum				
Readers	64 maximum				
Doors	64 maximum				
Access roles	200 maximum				
Time schedules	150 maximum				
Holidays	100 maximum				

Miscellaneous				
Status indicators	Relay outputs Ethernet: speed and link status RS485 (TX, RX) RS232 (TX, RX) DC power Battery System status			
Communication	RJ45 Ethernet port 10/100 BaseT RS485 multi-drop OSDP port isolated RS232/RS485 configurable port for third party devices BLE 4.2			
Macros	1000 maximum			
SSL encryption	TLS v1.2/1.3 256-bit by default to the PACOM VIGIL CORE			
Supported expansion modules				
SD card slot	Micro SD slot used to increase the number of users and transactions.			
Expansion ports	3 suitable for any S1000 compatible expansion module			
Mini Camera	8 maximum			
Audio device	16 maximum			

COMPLIANCE AND ACCREDITATION

RoHS, RCM, FCC, CE, EN 60839 Grade 3, EN 50136, EN 50130, EN 50131 Class II Grade 4

ORDERING INFORMATION

PART NO.	TYPE CODE	DESCRIPTION
320 200 001	S1000-PCB	S1000 PCB Board only
320 200 008	S1000-PCB-KIT	S1000 PCB Board plus mounting kit for a small enclosure
320 200 006	S1000-PENC	S1000 PCB Board in a plastic enclosure
320 200 007	S1000-PENC-2P	S1000 PCB Board in a plastic enclosure with 2.5A, 240V-24V DC supply
320 200 020	S1000-MENC-2P	S1000 PCB Board in a standard small metal enclosure with 2.5A, 240V-24V DC supply
320 200 021	S1000-MENCL-2P	S1000 PCB Board in a standard large metal enclosure with 2.5A, 240V-24V DC supply
320 200 022	S1000-MENCL-5P	S1000 PCB Board in a standard large metal enclosure with 5A, 240V-24V DC supply
320 200 009	S1000-DEMO	S1000 PCB Board in a plastic enclosure with keypad, IO hardware and 2.5A supply