

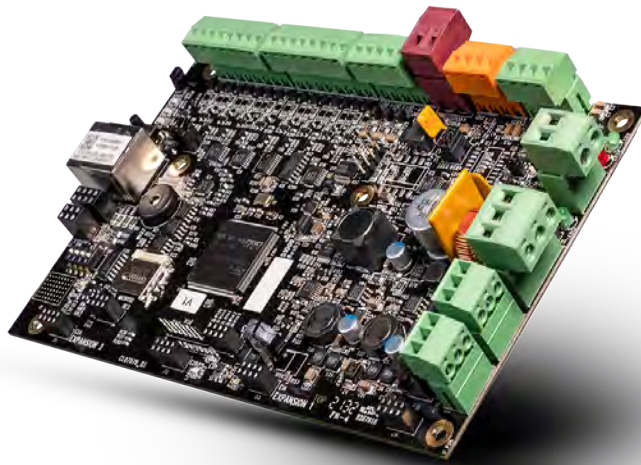
Remote IO

The Remote IO supports onboard 8 analog/digital inputs, 2 relay outputs and 3 O/C outputs and 1 onboard door without any expansion cards. In addition, it has a built-in battery charger, Ethernet port*, and 2 OSDP ports.

Three expansion module sockets are available for a maximum of 3 cards, in any combination. This allows the Remote IO to expand to 32 digital/analog inputs or 23 outputs or 4 doors or a maximum of 8 Wiegand/OSDP readers in any combination.

Connection to the S1000 Controller is by OSDP over RS485 and/or Ethernet*. Dual banks for firmware updates are supported.

PACOM offers 2 types of Remote IO; the standard Remote IO and the Mini Remote IO. The Mini Remote IO contains only the essential features.



FEATURES OF THE REMOTE IO

- Digital, analog inputs and card readers software configurable
- Auxiliary output supply
- Built-in battery charger
- Expansion operation capability
- Supports RS485
- Modular configuration using expansion cards
- Sensor monitoring

TECHNICAL SPECIFICATIONS

	REMOTE IO	MINI REMOTE IO
Physical		
Dimensions	165mm (w) x 100mm (h) x 40mm (d) (6.3" x 3.9" x 1.6")	
Packed weight	150g (5.3oz)	
Environmental		
Operating temperature	-10°C (14°F) to 70°C (158°F) UL 294: -10°C (14°F) to 49°C (120.2°F)	
Maximum humidity	95% ± 5% relative humidity (non-condensing) at 30°C (86°F)	
Electrical		
Power input	10V to 60V (UL 294: 15VDC to 30VDC)	
Power consumption	typically 120mA at 12VDC UL 294: 1.42A at 12VDC input with full load, 1.14A at 30VDC input with full load	
Power protection	resettable fuse 3.0A	
Power supply		
AC input range	106VAC to 240VAC, 50Hz/60Hz, 1.5A maximum	
Auxiliary output supply	0.5A at 10VDC to 16VDC	
Communications		
Processor	ARM 7 32bit at 200MHz	
Memory	1MB SRAM 2MB program flash 8MB data flash 512K EEPROM	1MB SRAM 2MB program flash 8MB data flash
Dual flash memory	2 version of the firmware can be stored and remotely upgraded (UL 294: NA)	
Communication	Multi-drop OSDP port isolated for connection to the main S1000 Controller	
Onboard I/O		
Inputs	8 multi EOL monitored inputs or analog inputs 0V to 10V (UL 294: NA) Default 10K, 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	

TECHNICAL SPECIFICATIONS - CONTINUED

	REMOTE IO	MINI REMOTE IO
Alarms		
Inputs	maximum 32	maximum 24
Outputs	maximum 23	maximum 18
Readers	maximum 8	maximum 6
OSDP devices	maximum 8	maximum 8 Note: Only OSDP readers/keypads are supported, not other device types.
Tamper input	top and bottom	
Miscellaneous		
DIP switch	Switch 1 to Switch 4: Set the OSDP address on the bus	
Status indicators	Relay outputs Ethernet (speed and link status) RS485 (TX, RX) RS232 (TX, RX) DC power Battery System status	Relay outputs RS485 (TX, RX) RS232 (TX, RX) DC power System status
Supported		
Expansion cards	8 Input 2 Output Expansion Cards 6 Out Expansion Cards CRI Expansion Cards	

Note: The specifications for the Remote IO and Mini Remote IO are very similar. Differences with the Mini Remote IO are explicitly stated in the above table.

