

SITEVIEW® PAC2 PROGRAMMABLE AUTOMATION CONTROLLER



SI SITEVIEW PAC2

TECHNICAL INFORMATION

SPECIFICATION	SI SITEVIEW PAC2
Housing dimensions (H x W x D)	96 x 45 x 110.5 mm
Housing type	DIN rail housing (for DIN rail version EN 50022)
Housing material	Polycarbonate
Weight	Approximately 197 g / 224 g (including connectors)
IP Code	IP20
Power supply	12-24 V DC -15%- / +20%
Max. power consumption	20 Watt (including 1 A total USB output current) ¹
Operating temperature	-40 °C to +60 °C
Storage temperature	-40 °C to +85 °C
Humidity (at 40°C)	93% (non-condensing)
Interfaces	2 x USB A (total current draw from both sockets max. 1 A) ² 2 x RJ45 10/100 Ethernet (using separate MAC addresses) 1 x RS485 screw-type terminal (not galvanically isolated) 1 x Micro-USB (solely for image transfer) 1 x Micro HDMI
Connectors	1 x 4-pole screw-type terminal for relay contact and signal input
Connectors	1 x 8-pole spring clamp connector for power supply
Processor	Broadcom BCM2837 quad-core ARM Cortex A53 (ARMv8)
Clock rate	1.2 GH
Processor cooling	Passive with heat sink augmented with Peltier cooling
RAM	1 GB
Non-Volatile memory	32-512 GB (Specified when ordering)

¹ The average power consumption without USB load varies greatly and depends on the use of the interfaces, the GPU and the CPU. It is usually well below 4 watts without HDMI.

² A USB output current (total of both USB outputs) is only available for input voltages >11 V. The bridging time of at least 10 ms required by EN 61131-2 is only guaranteed with a 20.4 to 28.8 V power supply. With a 12 V power supply, this time is significantly reduced, especially when power is drawn from the USB ports

TECHNICAL INFORMATION CONTINUED

SPECIFICATION	SI SITEVIEW PAC2
Number of digital input channels	1
Input type	24 volt source input (normally used to advise PAC there is a pending power supply failure)
Input thresholds	approx. 3.0V (0 -> 1) / 2.3V (1 -> 0)
Input protection	against overvoltage, negative voltages
Number of digital output channels	1
Output type	Relay contact, approval up to 30 V switching voltage (e.g. for power supply of a router)
Maximum current load of the contact	2A @ 30V DC (resistive load!)
Software integration of input and output	Via GPIOs and process image. Output is optionally switched by hardware watchdog
Hardware watchdog functionality	Hardware watchdog functionality can be implemented in either hardware or software
Hardware watchdog intervall	Software configurable
Protection of the power supply inputs	Reverse polarity protected, overvoltage protection
ESD protection	4 kV / 8 kV (according to EN61131-2 and IEC 61000-6-2)
EMI tests	Passed (according to EN61131-2 and IEC 61000-6-2)
Surge/Burst tests	Passed (according to EN61131-2 and IEC 61000-6-2)
Buffer time RTC	in. 24 h
Optical indicator	6 status LEDs (bi-color), two of them freely programmable
RoHS conformity	Yes
CE conformity	Yes