PAXmodular

PAXController

beyond standard solutions

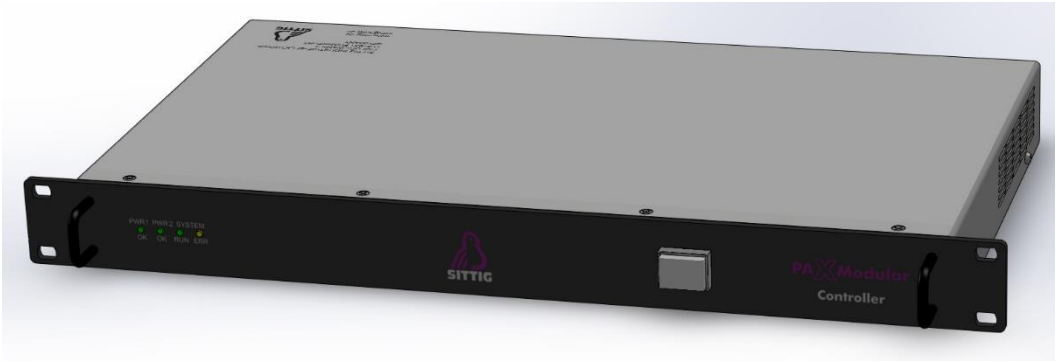
Sittig Technologies GmbH

Goldgewann 4
D-65931 Frankfurt / Main
Germany

Phone:
+49 / 69 / 37 00 02 - 0

Web:
www.sittig.de

E-Mail:
info@sittig.de



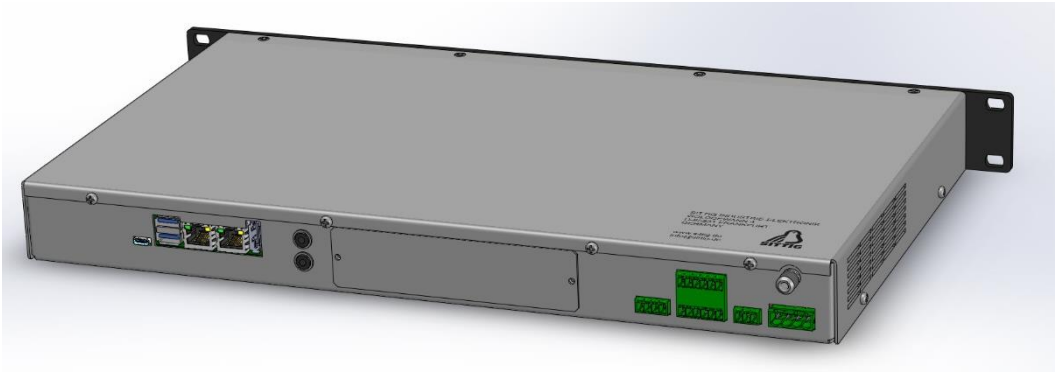
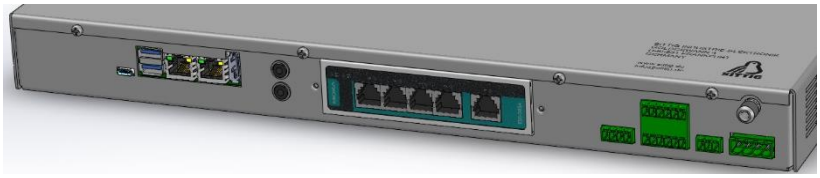


Illustration with optional switch



Description

The PAX controller can be used either as the central control head of PAX systems or as a gateway between public address systems from different manufacturers and the PAX system.

The 19"-1HE housing is designed with a shortened installation depth for mounting in the swing frame. The power supply is redundant. The supply voltage range goes from 18 - 28V DC and is therefore optimal for emergency power operation with the higher-level control.

Our embedded software takes over the complete control and monitoring. Both supply voltages and also the temperature are permanently monitored and can be passed on to network management systems via SNMP.

A time module, which is cyclically triggered every 10 seconds by a GPIO via server process, controls the RUN LED on the front panel and the relay output on the rear. If the time module has not been triggered after 15 seconds, the RUN LED is switched off and the relay drops out.

PAXmodular

PAXController

Technical Specs

operating voltage	Redundant 24V / DC (18-28V)
Max. Power consumption	Without Switch: 700mA With Switch: 900mA
Embedded System	Intel processor (Apollo Lake), 2* LAN 10/100/1000Mbit, Displayport, 2* USB 3.0 Typ C, RTC-Battery
operating system	Win10IOT Enterprise LTSC
dimensions	19"-1HE black housing with shortened installation depth for mounting in swing frames
Phys. connections	Screw clamp, RM 3,81, 2x RJ45, 1,5mm jack, USB, Displayport
network connection	2x RJ45
Internal monitoring	Voltage and electronic monitoring by watchdog. Temperature monitoring via embedded-onboard controller.
signalisation	Voltage, ready for operation and fault by LED on the front panel
fault report	Immediate error message to the central control software or a network management system via TCP/IP and/or SNMP
2 opto inputs	Activated by 0V or +24V signal Maximum load capacity: 30V / 50mA / 100mW
2 relais outputs	With two changeover contacts each Maximum load capacity: 125VAC / 1A / 125VA
audio out	Asymmetrical via 1,5mm jack (2x mono or 1x stereo)
mic In	Asymmetrical via 1,5mm jack
Optional	
5-Port unmanaged Switch (MOXA)	5x 10/100 Mbit
USB Sound card	USB sound card for multi-channel audio output / audio recording (compatible to various manufacturers via ASIO drivers)

beyond standard solutions

Sittig Technologies GmbH

Goldgewann 4
D-65931 Frankfurt / Main
Germany

Phone:
+49 / 69 / 37 00 02 - 0

Web:
www.sittig.de

E-Mail:
info@sittig.de