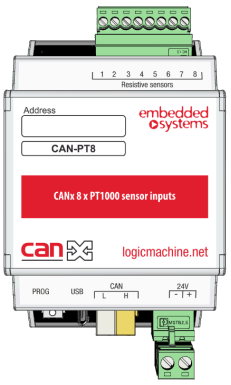
Embedded Systems SIA
47 Katolu street, Riga, LV-1003, Latvia, e-mail: sales@openrb.com

CAN-PT8
CANx 8 x PT1000 sensor inputs

CAN-PT8 is a DIN-rail mounted module featuring eight PT1000 sensor inputs, ideal for precise temperature monitoring in heating and industrial automation systems.



Physical interfaces	
PT1000 input	8
CAN FT	1
Programming / Reset button	1
USB 2.0	1 (only for device firmware upgrade)
Power	
Power supply	24 V DC
Power consumption	0.31 W (stand-by), 0.32 W (max)
Connections	
CANx bus	Bus connection terminal, 0.8 mm^2
Power supply and inputs	Screw terminals, 0.8 mm^2 .. 1.5 mm^2
LED indicators	
Green	Bus activity / programming mode
Red	Bus or hardware fault / reset
Enclosure	
Mounting support	DIN rail
DIN module width	3
Dimensions WxHxD	54 x 112 x 61 mm
IP degree of protection	IP20
Net weight	86 g
Standards compliance	
EMC	EN61000-6-1; EN61000-6-3
Environment	
Operational temperature	0 °C .. +45 °C
Storage temperature	-15 °C .. +55 °C
Relative humidity	0% ... 93% (without condensation)
Warranty	2 years

Key highlights

Robust and efficient communication
Utilizes time-proven CAN FT field bus.

High bandwidth CAN FT bus
Supports 48Kbps over CAN FT bus, ensuring fast and reliable data transfer.

LoRa-enabled variants
Selected CANx devices offer LoRa 433 wireless communication for flexibility.

Seamless protocol interoperability *
Unified data types enable smooth integration with other systems such as KNX, Modbus, BACnet, MQTT, and more.

Co-exists with KNX while enhancing performance *
Eliminates KNX fieldbus limitations (speed, semantics) while maintaining full user experience and compatibility with KNX.

ETS-friendly integration *
Supports importing KNX project files and enriching them with semantics for advanced data modelling.

Comprehensive commissioning *
Free CANx and DALI web-based commissioning tools available via the LogicMachine app store for device discovery, configuration and diagnostics.

** LogicMachine is required for commissioning and interconnectivity with other protocols.*

logicmachine.net

Apr 22, 2025