Embedded Systems SIA
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CAN-UI10
CANx 10 x Push-button inputs / 1 x PT1000 sensor input, flush-mounted

CAN-UI10 is a flush-mounted 10-channel binary input and LED controller with a built-in temperature sensor and thermostat, transforming any conventional switch into a CANx sensor.

Physical interfaces	
CAN FT	1
Programming / Reset button	1
USB 2.0	1 (only for device firmware upgrade)
Temperature sensor	1
PT1000 input	1
Binary input / LED control	10 (Outputs: 3.3 V, 5 mA)

Power	
Power supply	24 V DC
Power consumption	0.24 W (stand-by), 0.26 W (max)

Connections	
CAN FT bus / Power	Bus connection terminal, 0.8 mm^2
I/O ports	2 x 6 pin Sharp ZH 1.5 mm connector (cables included)
PT1000 input	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	Flush-mounted
Dimensions WxHxD	49 x 47 x 19 mm
IP degree of protection	IP20
Net weight	27 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.*

Safety information, installation and general cybersecurity guidelines

logicmachine.net

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