embedded systems

CAN-UIO16
CANx 16 x Analog inputs / Digital outputs

CAN-UIO16 is a DIN-rail mounted universal I/O module featuring 16 configurable analog inputs or digital outputs, designed for versatile signal control in building automation systems.

Physical interfaces

CAN FT	1
Programming / Reset button	1
USB 2.0	1 (only for device firmware upgrade)
Analog input / Digital output	16 (Inputs: 0-30 V / Outputs: 24 V)
Digital output current	350 mA (max 2 A per whole device)

Power

Power supply	24 V DC
Power consumption	0.40 W (stand-by), 0.90 W (max w/o load)

Connections

CANx bus	Bus connection terminal, 0.8 mm^2
Power supply and I/O	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 110 x 61 mm
IP degree of protection	IP20
Net weight	87 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

Warranty	2 years
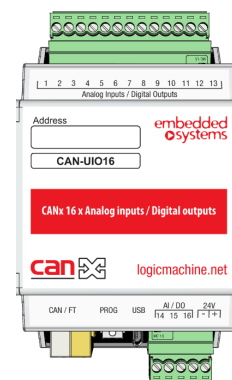
Key highlights

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