



Datasheet: TC32 IoT

The TC32 IoT is an industry-leading IoT heat cable controller.

EQON's TC32 IoT is designed for property and industrial applications, ensuring ice-free surfaces and energy-efficient heating with enhanced oversight. The TC32 IoT delivers maximum savings, safety, sustainability, and total control of heat cable systems.

Specification:

El-number:	4500744
Housing:	Aluminum (anodized/Cataphorized)
Dimensions:	L 185mm x W 126mm x H 36mm
Weight:	0,8 kg
Ingress Protection:	IP20
Power Supply Voltage – Main:	110/230 VAC +/- 10%; 50/60Hz, TN/IT
Power Supply Voltage – Controller Unit:	24 VDC
Maximum Power Output – Main:	32A / 230 VAC
Power Output Control Range:	0 – 100%
Temperature Output Accuracy:	0,2 °C
Power Supply Terminals – Main:	Max 10 mm ²
Power Supply Terminals – Controller Unit:	2 x 1,5mm ²
Power Output Terminals:	Max 10mm ²
Power Consumption – Controller Unit:	< 3W
Sensor Input:	2 x PT 100, 4 wires
Sensor Input Terminals:	4 x 1,5mm ² , 2 channels
Sensor Input Temperature Range:	-40 °C to +150 °C
Operating Temperature:	0 °C to +40 °C
Storage Temperature:	-20 °C to +50 °C

Installation:

Method:	DIN rail, 35mm
Application:	Resistive heat loads
Configuration:	EQON interface

Communication:

Type:	Ethernet / Wi-Fi / BLE
Protocols:	TCP/IP, MQTT
Connector:	RJ45
Bitrate:	Up to 1 Gbit/s

SOM:

CPU:	Dual core 1 GHz
RAM:	256 MB
eMMC:	8 GB
Heat resistance:	Commercial rated

HMI:

Software:	EQON OS
	EQON Online, Cloud solution

Compliance:

Certification:	CE (TÜV SÜD)	
Standards:	EMC	IEC61000-6 (CE)
	IP	IEC60529
	Electrical Safety	IEC61010-1 (CE)
	Vibration	IEC60068-2-6
	ROHS	IEC63000

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