

Teltonika TRB143 gateway/controller



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Teltonika	

TRB143 - M-BUS CELLULAR GATEWAY

The TRB143 industrial gateway was designed with an integrated M-Bus interface specifically for telemetry and utility-monitoring applications. It features cellular and wired connectivity, one Gigabit Ethernet port, and a pair of digital Inputs/Outputs, making it applicable to a variety of environment-monitoring scenarios.

- M-BUS INTERFACE

Supporting up to 250 client devices

- CONNECTIVITY

4G/LTE (Cat 4), 3G, 2G

- DURABILITY

Rugged aluminum housing

- COMPACT

Simple integration

- Hardware version

Europe, The Middle East, Africa, Thailand

Zusammenfassung

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Teltonika TRB143, Steel, Aluminium, IP30, IP30, External, SMA

Teltonika TRB143. Product colour: Steel, Enclosure material: Aluminium, International Protection (IP) code: IP30. Antenna type: External, Antenna connector type: SMA. Processor manufacturer: ARM, Processor family: ARM Cortex, Processor model: Cortex-A7. Supported network protocols: TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, SFTP, FTP, SMTP, SSL/TLS, ARP, VRRP, PPP,...., Data link protocols: HTTP(S), MQTT, Azure MQTT, Kinesis. Ethernet LAN data rates: 10,100,1000 Mbit/s, Networking standards: IEEE 802.3, IEEE 802.3az, IEEE 802.3u, Mobile network generation: 4G

Merkmale

Management features

Quality of Service (QoS) support	Yes
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Operational conditions

Operating temperature (T-T)	-40 - 75 °C
Operating relative humidity (H-10 - 90% H)	

Ports & interfaces

Ethernet LAN (RJ-45) ports	1
WAN connection	Ethernet (RJ-45)

Protocols

Supported network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, SFTP, FTP, SMTP, SSL/TLS, ARP, VRRP, PPP, PPPoE, UPNP, SSH, DHCP, Telnet, SMPP, SNMP, MQTT, Wake On Lan (WOL)
Data link protocols	HTTP(S), MQTT, Azure MQTT, Kinesis
DMZ support	Yes

Security

Firewall security	Yes
VLAN support	Yes
Network address translation (NAT)	Yes

Design

Product colour	Steel
Enclosure material	Aluminium
International Protection (IP) code	IP30
Enclosure International Protection (IP) code	IP30

Features

Antenna type	External
Antenna connector type	SMA
Antennas quantity	1
Short Message Service (SMS)	Yes

Power

Power consumption (typical)	3 W
Power consumption (max)	6 W
Power over Ethernet (PoE)	Yes
DC input voltage	12 – 30

Weight & dimensions

Width	74.5 mm
Depth	73 mm
Height	25 mm
Weight	145 g

Network

Ethernet LAN data rates	10,100,1000 Mbit/s
Networking standards	IEEE 802.3, IEEE 802.3az, IEEE 802.3u
4G LTE category	4
Mobile network generation	4G
Data network	2G, 3G, 4G
Cabling technology	10/100/1000Base-T(X)
Dynamic DNS (DDNS)	Yes

Performance

Control display unit	No
Built-in processor	Yes
Processor manufacturer	ARM
Processor family	ARM Cortex
Processor model	Cortex-A7
Processor frequency	1300 MHz
Internal memory	256 MB
Internal memory type	DDR3
Flash memory	512 MB