

Modbus TCP/IP to Modbus RTU converter

Enables communication between Aranet Base Stations (Modbus TCP/IP protocol) and devices using the Modbus RTU protocol. This converter acts as a bridge, allowing Aranet Base Station devices connected over Ethernet networks to communicate with Modbus RTU-based devices, typically connected over serial communication links such as RS-485.



Product numbers

Globally	TDAPMC01
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Compatible product list

Product name	Product numbers
Aranet PRO Base Station	TDSBWB01, TDSBWBU1, TDSBWBC1, TDSBWB1
Aranet PRO Base Station	TDSBWPA1.xxx, TDSBWPA2.xxx, TDSBWPC1.xxx, TDSBWPJ1.xxx
Aranet PRO Plus Base Station	TDSBOA03, TDSBOAU3, TDSBOAC3, TDSBOAJ3, TDSBOAK3
Aranet PRO Plus LTE Base Station	TDSB0B03, TDSB0BU3, TDSB0BC3

Processor and power specifications

Processor	32-bit ARM Cortex-M4 core CPU, main frequency 200 MHz
Power supply	9-48 VDC
Power consumption	2.9 W (120 mA at 24 VDC)

Ethernet connection specifications

Port type	1 × RJ45 10/100 Base-T
Supported protocols	ARP / IP / ICMP / IGMP / UDP / TCP / DHCP / HTTP / DNS / Modbus-TCP

Serial connection specifications

Port type and amount	Connection description
1 × RS-232	DB9 male connector
1 × RS-422	Screw terminals T+, T-, R+, R-
1 × RS-485	Screw terminals D+, D-

General specifications

Ingress protection rating	IP20	
Operating temperature range	-20–75 °C	-4–167 °F
Dimensions	117×72×34 mm	4.6×2.8×1.3 in
Weight	135 g	4.8 oz
Packaging includes	External power supply	