

# Technical Data

A850 – 2020 Telemetry Gateway



## The Core

- Device type**  
 Base Station for Adcon Wireless Sensor Networks
- Product highlights**  
 Manages up to 1000 Adcon RTUs, easy to operate via graphical user interface, integrated uninterruptible power supply (max. 5h), New 16 GB data memory on SD Card, where 1 GB data memory is sufficient for 200 stations for 4 weeks, embedded Linux OS.
- IP-communication**  
 Connects seamlessly into Ethernet networks
- Interfaces**  
 1x USB; 1x 100MBit Ethernet; 1x RS-232; 1x RS-485 (to A440 Wireless Modem)

The A850 Telemetry Gateway is the core of every Adcon monitoring network, be it a pure GSM / GPRS network, a UHF radio network or a combination of both - it's the A850 that knows exactly when and how to retrieve data from each RTU.

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Dimensions	182 x 260x 52 mm
Weight	1.862g
Connectors	1 x 100Base-T Ethernet 1 x RS-232 (Console) 1 x RS-485 (Radio Modem) 1 x USB (ext. modems) 1 x Mains Power

# Technical Data

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Micro Processor	Cortex-A8, 1 GHz, 32-Bit
Memory	32 GB microSD card
Operating System	Linux OS 4.19 Kernel
Power Supply	110 ... 230 V AC; an integrated 8.4 V NiMH battery with 4.500 mAh serves as uninterruptible power supply
Operating Temperature	-10°C ... +55°C