

WBox G110

Programmable IoT Gateway & Logic Controller

Overview

The WBox G110 is a programmable Linux IoT gateway and logic controller for industrial automation and building management. It pairs a quad-core CPU, 1 GB of RAM and 16 GB of eMMC storage with two RS-485 ports and two Ethernet ports (1 Gbit + 100 Mbit) in a rugged aluminium IP20 DIN-rail chassis, running the full Weble software suite for edge logic, protocol routing and secure remote access.



Features

- Quad-core ARM CPU, 1 GB RAM, 16 GB eMMC on-board storage
- 2 × Ethernet ports (1 × 1 Gbit + 1 × 100 Mbit)
- 2 × RS-485 ports for Modbus / BACnet field communication
- 3 × USB + 1 × USB-OTG (Ethernet emulation)
- Reset button (restores default IP and admin account)
- Aluminium IP20 chassis, DIN-rail mount
- Armbian OS, full Weble software suite (logic, routing, remote access)

Specifications

Hardware System	
CPU	H3 Quad-core Cortex-A7, 4 × 1.2 GHz
Memory	1 GB RAM
Storage	16 GB eMMC
Operating system	Linux (Armbian)
Interfaces	
Ethernet	2 × RJ45 (1 × 1 Gbit + 1 × 100 Mbit)
RS-485	2 × ports
USB	3 × USB + 1 × USB-OTG (Ethernet emulation)
Power Supply	

Input	12-24 V DC
Power consumption	Available on request

Physical & Environmental

Enclosure	Aluminium, IP20
Mounting	35 mm DIN rail
Dimensions / Weight	Available on request
Operating temperature	Available on request

Software & Protocols

Field protocols	Modbus RTU/TCP, BACnet MS/TP & BACnet/IP, M-Bus, MQTT, HTTP and 20+ licence-activated Weble drivers
Edge software	Weble suite: logic module, supervision, secure remote-access VPN
Management	Built-in web server, REST API