W&I connects

Interfaces for TCP/IP, Ethernet, RS-232, RS-485, USB, 20mA, glass and plastic fiber optic cable, http, SNMP, OPC, Modbus TCP, I/O digital, I/O analog, ISA, PCI



Data sheet:

Motherbox 3



Article no.: 50504
EUR 328.00
*Net price for

commercial users

Measurement data concentrator for Web-IOs

Use the Motherbox to archive measuring data from Web-IOs and Web-Thermographs. Determine an individual logging interval for each measuring point available in the network at the frequency you want the current measuring data to be automatically polled and archived in the box-internal database of the Motherbox.

Properties

Interfaces:

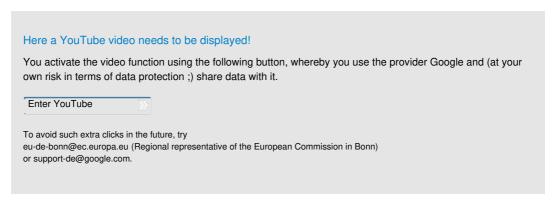
Network

Management and connectivity:

- Configuration
 - Startup using WuTility (three clicks and you're done)
 - DHCP
 - Web-based management

Store and visualize

- Inventorying of Web-IOs using Web-based WuTility
- Combine measuring values from different Web-IOs in measuring data profiles and create application-specific overviews
- Database with measuring values from any number of Web-IOs directly in the box
- Create Web-based visualization and control sites for Web-IOs via drag-and-drop using the Site Creator.



View summary as PDF

· For your application

- Web server with HTTPS and PHP support
- MySQL database and SQLite support
- Run your own C/C++ programs and PHP script time- event driven or at system start.
- 750 MB for your application data

Power supply:

External

Screw terminal

• Power over Ethernet (PoE)

- Phantom power using data pairs
- Power over unused wire pairs

· Buffer capacitors

· controlled shutdown when disconnecting from the power supply

Standards & more

· Conforms to standards both in office and industrial environments:

- High noise resistance per EN 61000-6-2
- Low noise emission per EN 55032:2015 + A1 Cl. B, EN 61000-3-2 & EN 61000-3-3
- 5 year guarantee



Wish for something!

Your suggestions for improvement and additions

Worth knowing

Processing the measurement values

By cyclically polling the Web-IOs a consolidated measurement database is created in the Motherbox. View recorded measurement data directly in the browser, access your application directly via the SQL interface for migrating the measurement data, or export them automatically via FTP.

Use the Motherbox as a visualization server. Use the integrated Site-Creator with drag-and-drop to create Web-based visualization and control pages for Web-IOs.

The internal web server also allows you to upload from your own web pages, which enables creation of web-based applications. For example you can prepare and display recorded measurement data for a specific application.

Technical data

Connections and displays:

Network: 10/100BaseT Autosensing/Auto-MDIX, RJ45

Galvanic isolation: RJ45 network connection min. 1500 V

Power supply: Power over Ethernet (PoE) or

24 ... 48V DC (+/-10%) per screw terminal

Supply connection: Plug-in screw terminal

Current consumption: PoE Class 2 (3.84 ... 6.49W) and

typ. 90mA @ 24V DC with external supply

Indicators and buttons: System status using multi-color LED

Network speed and data transfer

Manual device reset

Hard- and software

Processor and memory: Marvell 88F6180

Flash: 1 GB (NAND) RAM: 128 MB (DDR2)

Operating system: BusyBox: v1.31.1

Kernel: v4.4.226

Installed software: ProFTPD: v1.3.6

NGINX: v1.16.1 Samba: v3.6.25 PHP: v7.2.27 MariaDB: v10.2.29 SQLite: v3.29.0

Housing and other data:

Housing: Plastic housing with integrated DIN rail mount

105 x 22 x 75mm (L x W x H)

Weight: approx. 100g

Storage temperature: -40 ... +70°C
Operating temperature: 0 ... 60°C

permissible relative humidity: 0 ... 95% relative humidity, non-condensing

Scope of delivery: Motherbox 3

Quick start manual

Product CD with WuTility management tool and manual

Accessories	*Net unit price for commercial users	
Power supplies Power supplies		
Plug-in power supply, 24V / 500mA DC with Euro plug	11021	21.00€ 📜
Plug-in Power Supply, 24V / 750mA DC with Euro, US and UK plug	11026	38.00€ 📜
Power supply for DIN rail, 24V / 630mA DC (merchandise, 2-year manufacturer's guarantee)	11080	33.00€ 📜
Mechanical Accessories		
Mounting bracket for wall mounting	58812	11.20€ 📜
19" DIN rail	58813	21.00€ 📜
Supplementary network products		
Ethernet Switch Industry, 4 Ports	55604	218.00€ 📜
Software		
WuTility	00104	free 👤

^{*} Our offering is intended only for commercial users. We will be happy to refer private end customers to trading partners through whom our products can be purchased.



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