

Data sheet:

Motherbox 3



Article no.: 50504

EUR 328.00

*Net price for commercial users

Measurement data concentrator for Web-I/Os

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

Here a YouTube video needs to be displayed!

You activate the video function using the following button, whereby you use the provider Google and (at your own risk in terms of data protection ;) share data with it.

Enter YouTube >>>

To avoid such extra clicks in the future, try
eu-de-bonn@ec.europa.eu (Regional representative of the European Commission in Bonn)
or support-de@google.com.

[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

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€	
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Software

WuTility	00104	free	
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* 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.



We are available to you in person:

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