

MS4-4 - MAESTRO SERVER DATASHEET

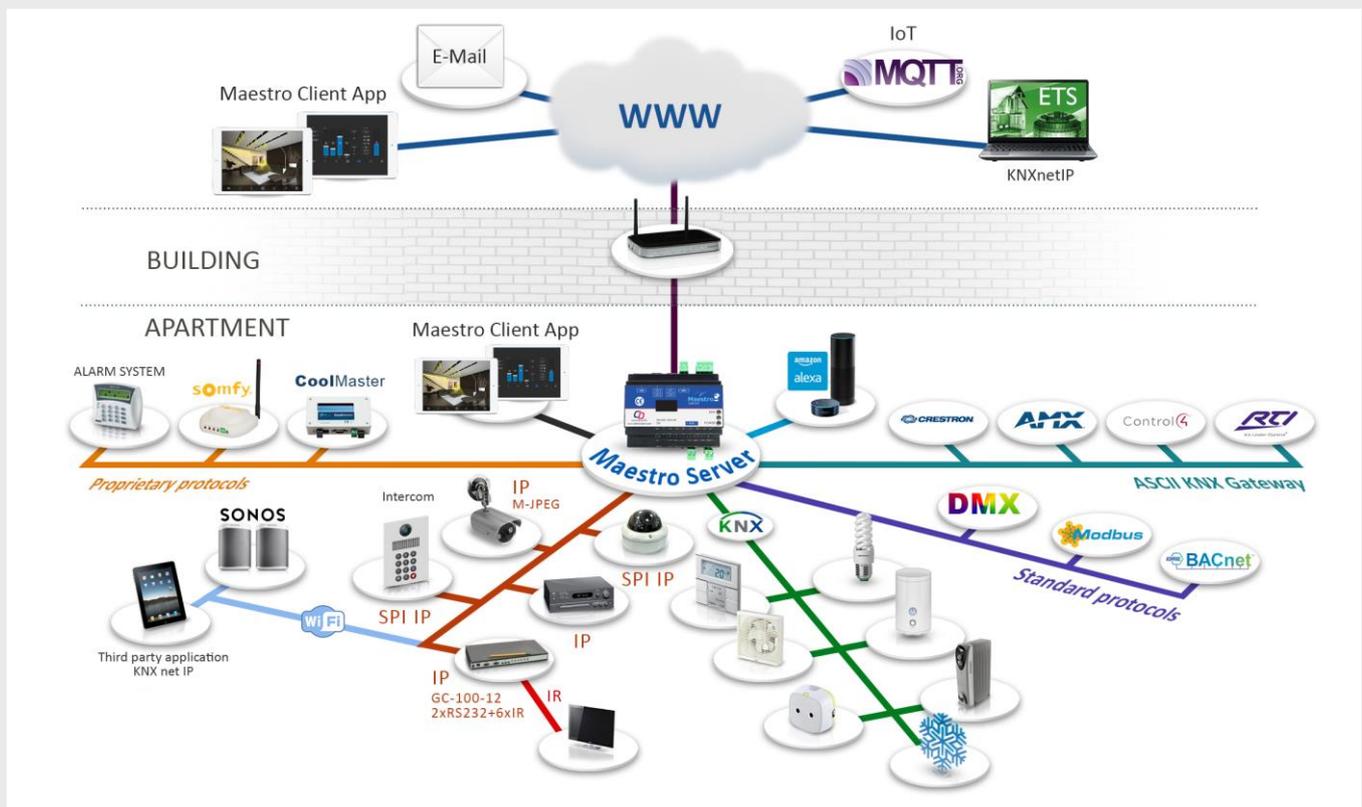
The MS4-4 Maestro Server optimizes automation control and integration, allowing you to enjoy all the benefits of **KNX** and **IoT** (Internet of Things), together with energy and financial savings, while creating comfortable, fully-customized environments.

Central Functions:

The MS4 Maestro Server performs every central function: schedules, macros, alarms, logic and control functions, Email and more. Maestro is KNXnet/IP-enabled, so technicians can program and monitor KNX devices remotely via the internet.

GUI:

Maestro enables remote control of automation systems via PC, tablet, and smartphone. The powerful Maestro Designer software enables the installer to build a flexible, user-friendly GUI, which has been specially designed to optimize user experience, allowing the user to customize and program control functions easily.



External Interfaces:

Maestro has connectivity to KNX, ModBus, DMX, IP, RS232, RS485 and IR. It supports systems such as Sonos, Amazon-Alexa and MQTT natively, in addition it has add-on library for controlling external systems.

IoT:

The Maestro Designer software utilizes an advanced protocol generator to implement the most complex two-way protocols, permitting control and interconnection of external devices/systems over the LAN and internet.

MS4-4 - MAESTRO SERVER SPECIFICATIONS

Software:

Scheduling	Manage daily, weekly, and yearly scheduled events, including sunset and sunrise time-based functions.
Macros/Scenes	Easily activate and establish presets through a user-friendly interface.
Client App	Client app for Android, iOS and Windows. Vivid GUI enables the viewing and control from a PC, tablet, and smartphone over the LAN and internet.
Graphs	Capable of collecting years of data and present it over various graphs.
Logic Functions	Function Blocks Controller – using drag and drop only, you can implement highly complex logic and control functions, for even more complex algorithms script language can be used.
Built-in protocols	Supports KNX , ModBus , DMX and MQTT (IoT protocol) protocols natively.
Voice control	Supports Amazon Echo – “Alexa” voice commands.
Audio/Video & IoT	Maestro uses IR, RS232, RS485 IP and a two-way protocol generator in order to extend control and integrate external systems.
KNX gateway	Acts as a two-way KNX gateway for external control systems, by providing simple ASCII commands to control and monitor KNX.
KNXnet/IP	Utilizes the KNXnet/IP protocol, enabling remote programming of all KNX devices from ETS at a remote location.
Email	Sending different e-mail alerts for various events, the text content can be dynamically composed by the artificial intelligence of the Maestro.
Cloud Management	Includes a cloud management system, enabling easy maintenance, and firmware upgrades.

Hardware:

Order #	MS4-4K/MAX (unlimited), MS4-4K/100 (100 group addresses), MS4-4K/250 (250 group addresses).
User Interface	64x128 OLED display, Multifunctional reset button, HDMI port - monitor can be used as local graphic interface.
Connectors	5V DC-in terminal block • KNX • Gigabit Ethernet • 4 USB ports for, mouse, serial RS232 and RS485 communications (via USB stick adaptor).
Build	Fanless, diskless implementation for quiet, reliable, energy-efficient operation.
Power	AC/DC adapter, input: 110-240V AC, output: 5V DC, 2A.
Dimensions / Weight	WxHxD 71.5x91x60mm, DIN rail mounting / 226g.
Operating Environment	Temperature: 0-40°C • Humidity: 30-90% non-condensing.
Regulatory Approval	CE, FCC for the motherboard.
Parts	MS4-4K unit • AC/DC adapter.

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