

## MS4 - MAESTRO SERVER DATA SHEET

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

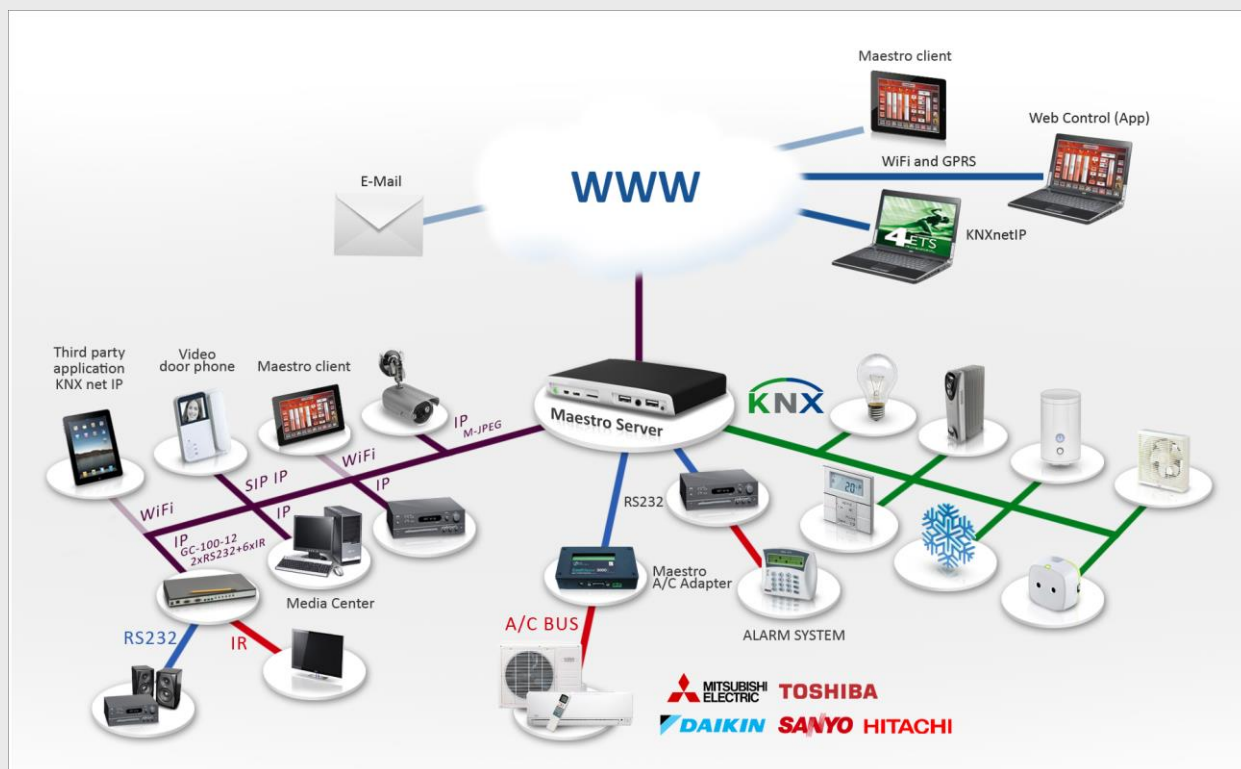


### Central Functions:

The MS4 - Maestro Server performs all of the central functions: Schedules, Macro, Alarms, and Logic and Control Functions; and also. Maestro is KNXnet/IP enabled, so that technicians can program and monitor KNX devices via the Internet, from remote locations.

### GUI:

The Maestro enables the control of Automation systems via remote PCs, tablets and smart phones. The powerful Maestro-Designer software enables the installer to build a user friendly, flexible GUI. The GUI has been specially designed to optimize customization abilities and user experience, allowing the user to customize and program control functions easily.



### External Interfaces:

Maestro enables connectivity to the KNX system, IP, and RS232 communication port. The external network adapter GC100 enables the extension of control over additional RS232 and IR communication ports.

### IoT:

The Maestro Designer software utilizes an advanced protocol generator that enables the implementation of the most complex, two way protocols, enabling the control and interconnection of external devices/systems over the LAN and internet.

## MS4 - Maestro Server specifications

### Software:

- Scheduling –** Manage daily, weekly, and yearly scheduled events, including sunset and sunrise time based functions.
- Macro/scenes –** Easily activate and set the presets through a friendly interface.
- Client App –** Client App for Android, iOS and Windows. Vivid Graphic User Interface enables the viewing and controlling of lighting, HVAC, shutters, and multimedia from a PC, tablet, and smartphone; over the LAN or the Internet from any location.
- Logical Functions –** Internal Function Blocks Controller - enables the control of highly complex logic and control functions.
- Audio/Video Control –** The Maestro enables control and integration of external systems using common IR, RS232 and IP (IoT) communications. It also acts as a two way KNX gateway to the external systems.
- KNXnet/IP –** The MS4 utilizes the KNXnet/IP protocol enabling remote programming of all of your KNX from ETS at remote location.
- Evolving system –** The Maestro firmware is upgradeable, so it will always remain on the cutting edge of technology.
- Cloud management –** Includes cloud management system enabling easy maintenance, debugging, and firmware upgrades.

### Hardware:

<b>Order no.</b>	MS4-1/MAX(unlimited), MS4-1/100(up to 100 Group Addresses), MS4-1/250(up to 250 Group Addresses),MS4-2(unlimited + support of having GUI on local HDMI monitor).
<b>Monitor Interface</b>	HDMI, The monitor can be used for graphic interface under model restrictions
<b>Controls Connectivity</b>	12V DC-in Jack • 10/100 Base-T Ethernet • KNX via USB stick adaptor (included)• USB for mouse • Power button • Power LED • 1 x RS232.
<b>Build</b>	Fan-less and Disk-less implementation for quiet, reliable and energy-efficient operation.
<b>Power</b>	AC/DC adapter, Input: 110-240V AC. Output: 12V DC, 1.5A.
<b>Physical Dimensions</b>	WxHxD 135mm x 21mm x 100mm, Desk Top/Wall Mounting.
<b>Weight</b>	215g.
<b>Operating Environment</b>	Temperature: 0° - 40° C • Humidity: 30% - 90% non-condensing.
<b>Regulatory</b>	CE, FCC.
<b>Parts</b>	MS4 unit • AC/DC Adapter • Bracket* • Mini DB9 adapter cable.

\* Optional

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