

PCMM2G: Next-Generation Performance in a Powerful, Compact Controller

PCMM2G Automation Controller



Kollmorgen's next-generation PCMM2G automation controller offers industry-leading performance and flexibility while supporting all the standards most third-party automation systems require. For existing PDMM and PCMM customers, it offers a simple upgrade path with step-by-step assistance. And as part of the Kollmorgen Automation Suite, PCMM2G offers the confidence of having fully integrated components and complete-system validation from one supplier.

High Performance

- **One scalable controller** for everything from small, simple machine modules to large, high-complexity environments.
- **1.5 GHz quad core processor**, delivering 1.5–3.5 times greater fieldbus cycle rate performance compared to previous-generation controllers.
- **Up to 64 axes** of synchronized path motion, including S-curve and other complex moves, enabling the customer to operate complex machines with high axis count at full speed.

Simple Usability

- **USB slot for removable flash drive** to support file management and backup/restore.
- **Uninterruptible real-time clock** with battery backup and network time protocol (NTP) for reliable system synchronization.
- **A complete solution** with integrated I/O and functional safety modules. Get simple, validated performance from a single trusted supplier.

Seamless Integration

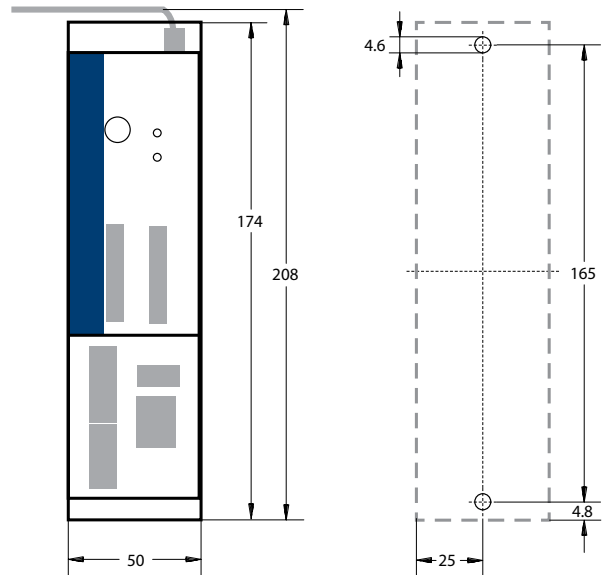
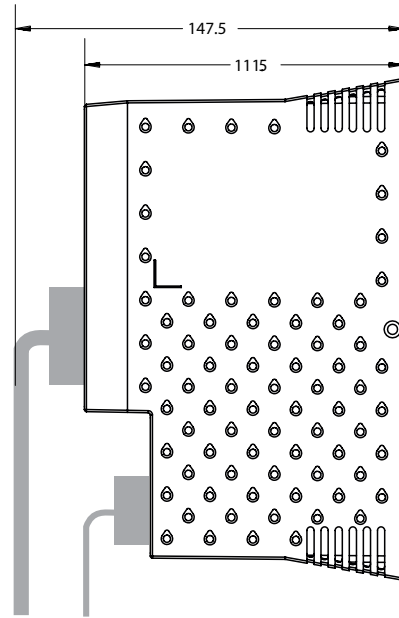
- **100BASE-T connection** supporting UDP, HTTP, Modbus, Ethernet/IP and PROFINET, with dual Ethernet ports to support configuration while connected.
- **Integrated tools** for simple, rapid network configuration, servo tuning and machine optimization.

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General Automation Controller

Specification	Description
Processor	Quad-core 1.5 GHz (ARM Cortex A-72 processor)
Internal Memory	16 GB Flash memory
Motion Network	EtherCAT, max 4 kHz update rate
Networking Protocols	2 Ethernet Ports 100BaseT connection supporting: <ul style="list-style-type: none"> • EtherNet/IP • HTTP • Modbus TCP • PROFINET • TCP/IP • UDP
Certifications	CE, RoHS, UKCA, UL
Battery	<ul style="list-style-type: none"> • CR2032 Lithium Manganese Dioxide primary cell, 3 V.* • At least 190 mAh.
Critical Temperature Limit (CPU)	83°C
Dimensions	174 mm (H) x 50 mm (W) x 111.5 mm (D)
External Memory	Removable USB flash drive slot. USB flash drive not included.
High Temperature Limit (CPU)	78°C
Input Power	24 VDC @ 1.25 A
Local I/O	6 digital inputs 2 digital outputs
Operating Temperature (ambient range)	0°C to 55°C
Sealing	IP20

*Battery is not part of the delivery package.



For More Information

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