

MPU55

Nexus OnCore Controller Module

Product identification

General Electric MPU55 is the Nexus OnCore Controller Module for Nexus OnCore. It runs application code as an integrated stand-alone controller for the Nexus system.

Parameter	Official value
Manufacturer	General Electric
Model	MPU55
Product Family	Nexus OnCore
Product Type	Nexus OnCore Controller Module

Technical information

Parameter	Official value
Controller Role	Universal Nexus control platform
Execution	Runs application code
Firmware Role	Function depends on loaded controller firmware
Supply	24 VDC
Maximum Power	7.2 W
Architecture	Integrated stand-alone computer
Ambient Range	-20 to +50 degrees C on the certified nameplate
Hazardous Marking	Class I Division 2 and Zone 2
Installation	Panel-mounted in a suitable enclosure

Applications

- Executes configured process-control applications in a Nexus OnCore system.
- Provides the controller platform for supported OnCore I/O and protection modules.
- Supports certified industrial panel installations in hazardous areas.

Processing Functions

- Official documentation specifies controller role as Universal Nexus control platform for this configuration.
- Official documentation specifies execution as Runs application code for this configuration.
- Official documentation specifies firmware role as Function depends on loaded controller firmware for this configuration.

Firmware Role

- Official documentation specifies supply as 24 VDC for this configuration.
- Official documentation specifies maximum power as 7.2 W for this configuration.
- Official documentation specifies architecture as Integrated stand-alone computer for this configuration.

Hazardous Installation

- Official documentation specifies ambient range as -20 to +50 degrees C on the certified nameplate for this configuration.
- Official documentation specifies hazardous marking as Class I Division 2 and Zone 2 for this configuration.
- Official documentation specifies installation as Panel-mounted in a suitable enclosure for this configuration.

Selection and installation checks

- Match project firmware and application files.
- Verify the complete mpu55 regional suffix.
- Maintain enclosure, grounding, and 24 vdc power requirements.

Request a quotation
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Product reference
MPU55
Nexus OnCore Controller Module



Manufacturer source

https://www.governova.com/content/dam/gepower-new/global/en_US/downloads/gas-new-site/products/digital-and-controls/certificates/OnCore/Modules/United_Kingdom/157M0728-ONCORE-Modules-ATEX-Type-Examination-Certificate-RevC.pdf