

Product Launch

iCube Motion Control iC9200 with Safety Master
iC9226M-FSoE



The iC9200 machine controllers are designed by Yaskawa specifically for demanding machine control applications, including multi-axis synchronized motion.

The controller is powered by the Triton processor, supports multiple modern field buses and provides a feature set that can be tailored to meet your specific requirements, including multi-axis synchronized motion with safety master over FSoE. This motion controller is programmable with IEC-61131 and high level programming languages like C++, C#, Python,...

iC9226M-FSoE



Network Master: EtherCAT (CoE, EoE, FoE)
EtherCAT Safety (FSoE)

Fieldbus Support: OPC UA Client, Server, Pub/Sub
EtherNet/IP Scanner and Adapter
PROFINET IO RT Controller
PROFINET I-Device
Modbus TCP Client/Server

Connections: 2 × Gigabit Ethernet
2 × 100 Megabit Network
24 VDC Power Supply (Input)
SD Memory Card Slot
Integrated Slice Bus
for local SLIO Modules

Processor: Triton ARM Cortex-A17 1.26 GHz, 3 Core

Memory: Flash Memory: 8 GB eMMC
SDRAM: 2 GB DDR4
Program Memory: 12 MB
Data Storage Memory: 32 MB
Retained Data Storage: 3 MB MRAM

Synchronized Axis Count: Up to 64 Real and 64 Virtual Axes

Hardware

| Product Name | Model Code | YEU SAP No. | Description |
|--------------|-----------------------|-------------|---|
| iC9226M-FSoE | JEYRM-MPX022SE10L32-2 | 1015706 | Controller iC9226M with PLCNext technology, EtherCAT Master with Safety over EtherCAT (FSoE), 4 FMK servo-axes and 4 virtual axes with a maximum of 64 axes each, Ethernet-Switch, OPC UA Server, USB serviceport, SD-Card slot, 12 MB Progr. Memory / 32 MB Data Memory / 3 MB Retain Memory |

Software

| Product Name | Model Code | YEU SAP No. | Description |
|----------------|---------------|-------------|---|
| iCube Engineer | JXPMC-ICF100E | 10116261 | iCube Engineer, Engineering Tool, Version 1, Professional Single Electronic License |

Feature overview

| Feature | Model Code | YEU SAP No. | Description |
|---------------|-----------------|-------------|--|
| 8 axis | JXPMC-OPX010402 | 10116687 | Electronic license to activate 8 real + 8 virtual axes |
| 12 axis | JXPMC-OPX010403 | 10116688 | Electronic license to activate 12 real + 12 virtual axes |
| 16 axis | JXPMC-OPX010404 | 10116689 | Electronic license to activate 16 real + 16 virtual axes |
| 24 axis | JXPMC-OPX010406 | 10116690 | Electronic license to activate 24 real + 24 virtual axes |
| 32 axis | JXPMC-OPX010408 | 10116691 | Electronic license to activate 32 real + 32 virtual axes |
| 64 axis | JXPMC-OPX010412 | 10116692 | Electronic license to activate 64 real + 64 virtual axes |
| PN Controller | JXPMC-OPX010703 | 10116693 | Electronic license to activate a PROFINET IO RT Controller on X3 or X4 |
| OPC UA Client | JXPMC-OPX010901 | 10116696 | Electronic license to activate the OPC UA Client |
| OPC Pub/Sub | JXPMC-OPX010902 | 10116697 | Electronic license to activate the OPC UA Pub/Sub |
| Web HMI App | JXPMC-OPX011101 | 10116157 | Electronic license to allow a web virtualization on the iCube Controller compatible with any HTML5 capable browser |

For more technical details, please refer to: www.icubecontrol.com

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