

GIN-SAM5

High-Speed Standalone Master

- ➔ GinLink Master
- ➔ 2.2 GHz 16-Core CPU
- ➔ OPC UA Communication

Facts	
Interfaces	2 × GinLink 1 × Gigabit Ethernet 1 × EtherCAT 2 × M.2 (Key M) 1 × microSD 2 × SIO (RS232 / RS485)
Interfaces with Hilscher comX	Profinet, Profibus, CANopen, EtherNet/IP...
CPU	ARM Cortex-A72 2.2 GHz 8-core / 2.2 GHz 16-core
Memory	2 × 8 GByte SDRAM, DDR4-3200
MRAM	2 MByte
Flash	2 × 64 MByte
Operating system	Indel Realtime OS (INOS)
Motion control	Max. 512 axes Max. 32 kHz position loop
Dimensions	H 280 × W 46 × D 129 mm



GIN-SAM5 CPU boards are designed for use in industrial environments with exceptionally complex and high technical requirements.

As a fieldbus controller for the Indel Gigabit Ethernet fieldbus GinLink, GIN-SAM5 can operate up to 512 coordinated servo axes with a closed-loop bus frequency of up to 16 kHz thanks to its high transmission rate.

A wide range of standard and expansion interfaces are already integrated in all options.

As with all other Indel CPU boards, OPC UA communication is implemented directly in the machine software. As OPC-UA is flexible and completely platform-independent, it is considered the ideal communication protocol for implementing Industry 4.0.