INDEL
Indelligent Automation

GIN-SAM5

High Speed Standalone Master

➡️ GinLink Gigabit Ethernet Fieldbus Master

➡️ 16 ARM Cortex-A72 Cores, 2.2 GHz

➡️ OPC UA Communication

Facts	
Interfaces	2 × GinLink Gigabit Ethernet fieldbus 1 × Gigabit Ethernet (GbE) 1 × EtherCAT 2 × M.2 (Key M) 1 × microSD 2 × SIO (RS232 / RS485) 1 × InfoLink *
Interfaces with Hilscher comX	Profinet, Profibus, CANopen, EtherNet/IP…
CPU	ARM Cortex-A72 2.2 GHz 8-core / 2.2 GHz 16-core
Memory	8 GByte SDRAM, DDR4-3200
MRAM	2 MByte
Flash	64 MByte
Operating system	Indel-Realtime-OS (INOS)
Motion control	Max. 256 axes Max. 128 kHz position loop
Dimensions	H 280 × W 46 × D 129 mm

* On request

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 over 100 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. Thanks to modern specifications such as M.2 Key M, this controller can be easily expanded by integrating graphics cards and SSDs.

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.