

# GIN-SAM4

## High-Speed Standalone Master



- ➔ 3 × 1 GBit/s fieldbus master
- ➔ 2.2 GHz quad core PowerPC
- ➔ Up to 32 GByte RAM

Facts	
Interfaces	2 × GinLink / 3 × GinLink* 1 × Gigabit-Ethernet 2 × mPCIe 1 × mSATA 2 × USB 2.0 1 × microSD 2 × SIO (RS232 / RS485) 1 × InfoLink*
Interfaces with Hilscher	EtherCAT, PowerLink, Profinet, Profibus, CANopen, ...
CPU	PowerPC QorIQ P50xx 2.0 GHz single core / 2.2 GHz quad core
Memory	2 GByte SDRAM, DDR3-1300 / 4 GByte SDRAM, DDR3-1600 / 32 GByte SDRAM, DDR3-1600* 2 MByte MRAM / 4 MByte MRAM* 64 MByte Flash
Operating system	Indel-Realtime-OS (INOS)
Display	Bicolor E-Paper*
Motion control	Max. 256 axes Max. 128 kHz position loop
Dimensions	280 × 46 × 129 mm (h × b × t)

\* Only on request

The GIN-SAM4 is a high-performance CPU board by Indel.

The powerful master is perfectly suited for high speed applications with complex and high technical requirements.

As a fieldbus master for the Indel GinLink, the GIN-SAM4 controls and coordinates the entire peripheral equipment with a closed-loop bus frequency of up to 128 kHz.

Due to standard interfaces like Gigabit Ethernet, RS232, USB, mPCIe, and mSATA, the SAM4 can be extended with additional modules, such as WLAN, Bluetooth, NFC, GSM/LTE, GPS, graphics cards and SSDs. Thanks to this, the master is ideally equipped for the coming industry 4.0.