



MC Series · Edge Control + Intelligent Data Logging

MC-A200 Industrial Controller

The MC-A200 is HSI's entry-level Modern Controller — a compact edge computer with full CODESYS multicore PLC control (tasks easily run at 1 ms) and pre-integrated VersaCore historian. Paired with Beckhoff I/O over EtherCAT, field I/O runs in lock step with the PLC application — controlling and logging from the moment it's powered on.

All-in-One Edge Solution

PLC logic, historian, and flexible I/O in one compact entry-level package — fewer devices to install, wire, and maintain.

Instant Data Logging

VersaCore ships pre-integrated. Start capturing CODESYS application data from day one — no separate historian setup.

Local HMI Ready

Built-in HDMI turns the MC-A200 into a local HMI station — plug in a monitor to view live process data and trends on local equipment, no extra display programming.

EtherCAT Lock-Step I/O

Beckhoff I/O over EtherCAT runs in lock step with the PLC application. Also supports PROFINET, EtherNet/IP, Modbus, CANopen, plus GE EGD for GE/Emerson platforms.

Entry-Level Value

Right-sized for general automation and package control — strong price-to-performance without overbuying real-time hardware. 24 VDC, fanless, continuous duty.

CODESYS Multicore · 1 ms Tasks

Full CODESYS runtime with multicore PLC tasks easily run at 1 ms, free IDE, IEC 61131-3 languages, and web visualization.



Technical Specifications

BUILT ON THE ONLOGIC FR201 EDGE COMPUTE PLATFORM

HARDWARE		SOFTWARE STACK	
Compute	32GB Compute Module 4 (CM4)	Operating System	Linux
Storage	512GB SSD	PLC Runtime	CODESYS — full IEC 61131-3, multicore PLC tasks (1 ms cycles), free IDE, web visualization
Networking	2 × 1Gb Ethernet ports	Edge Historian	VersaCore — pre-integrated, ready at first boot
Serial	1 × configurable RS-232 / RS-422 / RS-485	Data Ingestion	High-performance OPC UA subscription from the co-located CODESYS PLC runtime
Power Input	12-24VDC, low power consumption	Analytics	High-speed trending, exporting data, and API access
Local I/O	HDMI, USB 3.0, dual USB 2.0	Scale	Edge-to-enterprise — a handful of tags to thousands
Design	Fanless, rugged, DIN-rail mount, -20 to 60°C temperature range		

Fieldbus & Protocol Support

GE EGD (GE/Emerson)

EtherCAT

PROFINET

EtherNet/IP

Modbus TCP/RTU

Others

+ full CODESYS library ecosystem



Flexible local I/O. HDMI, USB 3.0, dual USB 2.0, and status LEDs for power, activity, and dual LAN — everything needed for on-site setup and visualization.

Typical Applications

- Remote monitoring and control
- Water treatment, RO, EVAP, SCR, BOP, etc.
- Edge gateways, protocol converters & data concentrators
- Entry-level PLC control + historian packages

Ready to spec an MC-A200 for your site?

Contact Heiberger Solutions for entry-level configurations, multicore CODESYS projects, Beckhoff EtherCAT I/O, VersaCore setup, or custom protocol support.



Drops into existing panels. The MC-A200 mounts on standard DIN rail and controls EtherCAT (Beckhoff lock-step I/O), PROFINET, and Modbus I/O of your choice — with 1 ms PLC tasks.