

13" INDUSTRIAL OPERATOR INTERFACE

AUTOBLOCKS HMI

Motion. Logic. Safety. HMI. — One Platform.
THE OPERATOR'S WINDOW INTO THE MACHINE.



One 13.3" touchscreen portal into AutoCode, motion, and safety — connected to the Control Block over a single link. No PC. No middleware. No external configuration.

MOTION

Motion at your fingertips. Jog, home, and monitor every coordinated axis live from the touchscreen. Real-time position and status for the full Control Block motion stack — no separate motion terminal.

LOGIC

AutoCode, on the glass. Read/write AutoCode editor access right at the machine. A multi-tab interface drives up to eight devices or subroutines from a single screen.

SAFETY

Safety in full view. Live safety state, E-stop, and door status surfaced through the Control Block safety controller. Wires to the Control Block rear safety I/O. Operator / Technician / Administrator login levels gate every action.

HMI

Built for the floor. 13.3" Full-HD, 10-point capacitive touch — glove and stylus ready. IP65 front panel, ARM A76 compute, Autoblocks OS.

One screen for the whole machine.

The Autoblocks HMI is a single, secure portal into everything the Control Block runs — motion, logic, and safety — with no PC, no SCADA layer, and no external configuration. Plug it into the Control Block or Control Block Mini and it boots straight into the Autoblocks environment: multi-tab control of up to eight devices, native AutoCode editing, and remote programming and support through Autoblocks Studio.

DISPLAY

13.3" HD

Capacitive touchscreen

CONTROLS

BACKLIT

Illuminated buttons

INDICATION

LED

Status light

SAFETY

E-STOP

Hardwired

Specifications / Connectivity / Devices

AUTOBLOCKS HMI
REV 2 · 2026

HARDWARE

Display	13.3" diagonal · active area 293.76 × 165.24 mm
Resolution	1920 × 1080 (Full HD) · 16:9
Touchscreen	10-point capacitive · glove & stylus compatible
Viewing Angle	178° H / 178° V
Processor	ARM Cortex-A76 @ 2.4 GHz (Compute Module)
Memory	8 GB LPDDR4
Storage	64 GB industrial-grade eMMC
Operating System	Autoblocks OS

MECHANICAL & POWER

Enclosure	IP65 front panel (IP54 overall, rear-mounted)
Mounting	VESA 100 × 100 mm rear mount
Dimensions	15" × 12" × 3"
Weight	3 lb (1.4 kg)
Power Input	24 VDC · Control Block rear power bus
Power Consumption	< 20 W typical

ENVIRONMENTAL

Operating Temp	-10 °C to +60 °C
Storage Temp	-20 °C to +70 °C
Humidity	10–90 % RH, non-condensing

EXTERNAL PORTS

- ▶ (1) Gigabit Ethernet — IEEE 802.3at · 10/100/1000 auto-negotiation
- ▶ (2) USB 2.0 Type-A — keyboard / mouse / firmware
- ▶ (1) M12 8-pin — key / start / stop / reset

COMMUNICATION & SOFTWARE

- ▶ **AutoCode** — native editor, read/write access at the panel
- ▶ **Autoblocks OS** — boots straight to the HMI environment
- ▶ **Web HMI** — the same interface in any browser
- ▶ **Autoblocks Studio** — remote programming, diagnostics & support
- ▶ **Login Levels** — Operator · Technician · Administrator

SUPPORTED DEVICES — PLUG & CONFIGURE

CONTROLLERS

Control Block (Rack-mount & Desktop) · Control Block Mini

PERIPHERALS

USB keyboard · USB mouse

MULTI-TAB CONTROL

Up to 8 devices / subroutines

DISPLAY MODES

1280×800 · 1920×1080 (auto-scale)

CONFIGURATION OPTIONS

Powers and wires to the **Control Block rear safety I/O and power bus** — one connection for power and hardwired safety. Runs **alongside the Autoblocks Pendant, or in place of it**. Plug-and-play; no external configuration. See autoblocks.co for ordering.



SCAN FOR LIVE PRODUCT PAGE
autoblocks.co/product/autoblocks-hmi

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