

HMI 10.4" widescreen, CR3000100000420



- IP66 (front side)
- High temperature range
- High shock and vibration range
- CE, UL/cUL, UL/CUL
- Supports over 300 industrial drivers
- SD card slot for database upload/download
- Integrated web server for remote access
- Real-time data logging

<https://www.wachendorff-prozesstechnik.de/en/CR3000100000420>

Description

The CR3000 Series HMIs offer industry-leading protocol conversion and connectivity options and advanced visual display capabilities to provide HMIs that easily scale and adapt to changing requirements. The HMIs combine an ever-growing list of over 300 industrial drivers with the intuitive and powerful Crimson 3.1 development platform to create a user experience that easily adapts to changing requirements and growing operations. The CR3000 series devices not only fulfill the basic requirements for machine interfaces and protocol conversion, but also provide real-time data logging and an integrated web server to meet demanding requirements.

Product details

Power supply:	10 VDC to 30 VDC A Class 2 circuit in accordance with the National Electrical Code (NEC) must be used, NFPA-70 or Canadian Electrical Code (CEC), Part I, C22.1 or a limited power supply (LPS) according to power supply (LPS) according to IEC 60950-1 or limited power supply according to IEC 61010-1.
	Battery: Lithium coin cell with a typical life of 5 years
Power connection	High-density cage clamp terminal strip Cable stripping length: 7.5 mm Conductor cross-section cable: 0.20 mm to 3.31 mm ² (12 to 24 AWG) copper wire Torque: 0.5 Nm to 0.6 Nm (4.4 inch-lbs to 5.3 inch-lbs)
Display:	10.4" 800 x 600 pixel TFT-LCD touch display in widescreen format with 16M colors.
Project planning:	Crimson 3.1 development platform

Integration skills:

- The Crimson 3.1 software enables configuration at the click of a mouse.
- Updated 3D icons and standard elements create a modern user experience.
- Ethernet, USB and serial interfaces for easy communication.
- Web server provides remote access and control to reduce costly site visits.
- Sends email and/or SMS notifications for alarm conditions (expansion module required).
- Built-in data logging improves troubleshooting and resolution. Helps meet regulatory requirements.
- Automate the populating of data values with SQL query functions.

Protocol conversion:

- Communication with over 300 protocols
- Easy conversion between serial, USB and Ethernet devices
- Convert up to 15 protocols simultaneously with the CR3000 series.
- Manage environments with devices from multiple vendors with ease.

Interfaces:	<ul style="list-style-type: none"> • USB ports: USB device: 1x USB device Type B complies with USB specification 1.1 USB host: 2x USB host ports Type A complies with USB specification 2.0 and supports full speed. Data transfers with hardware overcurrent protection (max. 0.5 A per port) • Serial ports for programming or communication: Format/baud rates independently configurable 2x RS232 and 2x RS422/RS485 • Ethernet ports: 1500 Vrms network isolation 2x 10/100 BASE-T(X) connections (RJ45)
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Network media:	10BaseT: \geq Cat3 cable 100BaseTX: \geq Cat5 cable
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Protection class:	IP66 on the front, when mounted
Housing:	Polycarbonate housing with NEMA 4X/ IP66 protection class for indoor use, when properly fitted with the supplied gasket. Installation category II, pollution degree 2.

Vibration:	2g at 5 Hz to 500 Hz according to IEC 68-2-6
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Shock:	30g, IEC 68-2-27
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Rel. humidity:	max. 85%. rH, non-condensing
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Operating altitude:	Up to 2000 m
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Operating temperature:	-10 °C to +50 °C
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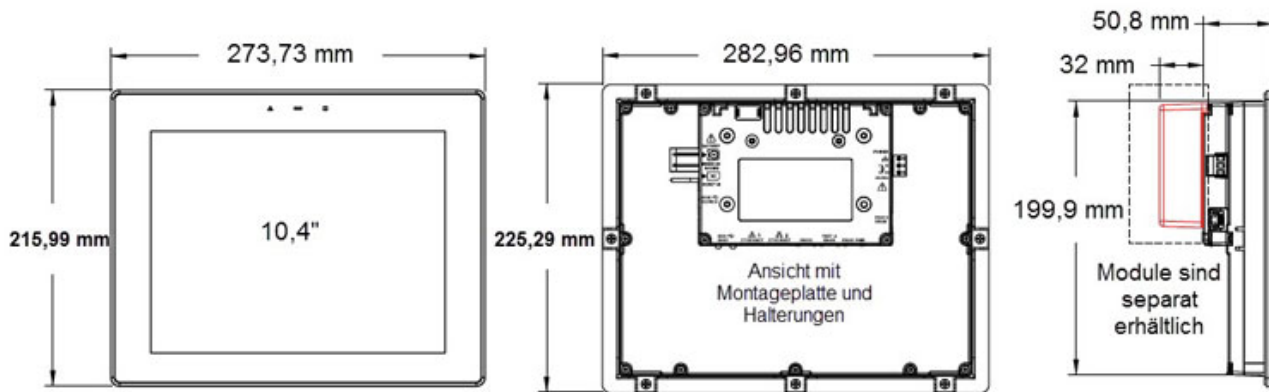
Storage temperature:	-20 °C to +70 °C
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Weight:	1435 g
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Certificates:	CE-tested Interference immunity: IEC/EN 61000-6-2 for industrial locations Emissions: IEC/EN 6100-6-4 for industrial sites; CISPR 11 Class A Safety: IEC/EN 61010-1 RoHS compliant UL listed Class I, Division 2, Groups A, B, C and D Type 4X Indoor / IP66 protection class (front only)
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Drawings

Dimensions



Downloads / FAQ

The following files could be downloaded from our website directly from this product under the tab "Drawings":

2D/3D-Dateien CR30001000000420:

CR30001000000420_CAD_Drawing.zip



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