



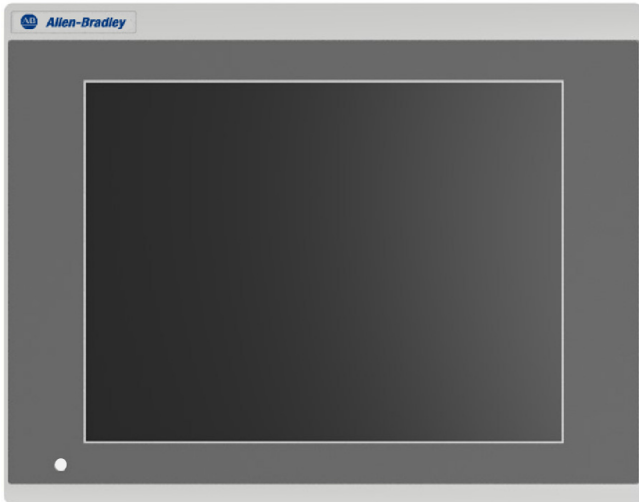
# eHIM Operator Interface Terminal For Medium Voltage Drives

Catalog Number EHIM-T10CED4G

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## Overview

The eHIM is the principal local operator interface for PowerFlex® 6000T and PowerFlex 7000 medium voltage drives. It is located on the low voltage door of the drive enclosure.



## Environment Specifications

This table lists environmental specifications for the eHIM terminal.

Attribute	Value
Temperature, operating	0...+55 °C (32...131 °F)
Temperature, nonoperating	-25...+75 °C (-13...167 °F)
Heat dissipation	10.4 in. (26.4 cm )DC (touch), 56 BTU (typical) <sup>(1)</sup>
Altitude, operating	2000 m (6562 ft)
Relative humidity	5...95%, without condensation
Vibration	0.040 pk-pk, 2...13.2 Hz
Shock, operating	15 g at 11 ms
Shock, nonoperating	15 g at 11 ms
Enclosure ratings	IP54, NEMA 12

(1) Typical BTU measurements take at 25 °C (77 °F).

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**IMPORTANT** Do not operate the terminal in direct sunlight. Direct exposure to ultraviolet light can discolor the touch screen.

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## Resistance to Chemicals

The outer surfaces of the terminal including the bezel, touch screen overlay, and panel gasket seal are tested for chemical resistance. Some of the chemicals can cause discoloration, but they do not interfere with the operation of the terminal.

## Technical Specifications

The table in this section provides technical specifications for the eHIM terminal.

### eHIM Terminal Specifications

Attribute		EHIM-T10CED4G
Operator input		Color thin-film-transistor liquid-crystal display (TFT LCD) capacitive touch input
Conformal-coated		Yes, printed circuit board assembly (PCBA) only
Display type		Low voltage display signaling (LVDS)
Display size, diagonal		264 mm (10.4 in.)
Viewing area (W x H)		211.2 x 158.4 mm (8.3 x 6.2 in.)
Display resolution		800 x 600 SVGA
Aspect ratio		4:3
Front bezel protection rating		IP54, NEMA 12
Brightness, typical		500 cd/m <sup>2</sup> (Nits)
Backlight life		70,000 hours at 25 °C (77 °F)
Touch screen	Analog resistive	Projected capacity touch
Battery (real-time clock backup)	Accuracy	± 2 minutes per month
	Battery life	4 years minimum at 25 °C (77 °F)
	Replacement	CR2032 lithium coin cell, not replaceable
SDRAM		4GB DDR3L
USB ports		Two USB high-speed 2.0 host ports
Operating system		Windows® 10 IoT Enterprise
Ethernet ports		One
Language		European (Western/Eastern), Russian, and Chinese (Simplified)
<b>Electrical</b>		
Input voltage		DC (18...30V DC)
Power consumption		Under 55 W
Power supply		PSU brick solution on Carrier board, 12...30V DC-DC
<b>Mechanical</b>		
Weight, approx		2.89 kg (6.36 lb)
Dimensions, approx (H x W x D)		225 x 287 x 70 mm (8.9 x 11.3 x 2.8 in.)
Cutout dimensions, approx (H x W)		205 x 267.5 mm (8.1 x 10.5 in.)

## Accessories

This section describes accessories for the eHIM terminal. There are three retrofit kits available, depending on your PowerFlex drive and configuration.

### PowerFlex Medium Voltage Drive Retrofit Kits

Catalog/Part Number	Description
646704-R, 646705-R, 646706-R, 646707-R	PanelView Plus 6 to eHIM Retrofit Kit for PowerFlex 6000G A-frame Drives, publication <a href="#">6000-IN009</a>
646708-R, 646709-R	PanelView Plus 6 to eHIM Retrofit Kit for PowerFlex 6000G B-frame and H-frame Drives, publication <a href="#">6000-IN010</a>
PN-659953	PanelView Plus 6 to eHIM Retrofit Kit for PowerFlex 7000 Medium Voltage Drives, publication <a href="#">7000-IN004</a>

## Product Dimensions

Dimensions shown in mm (in.). Dimensions are not intended to be used for manufacturing purposes

Figure 1 - Bezel and Cutout Dimensions

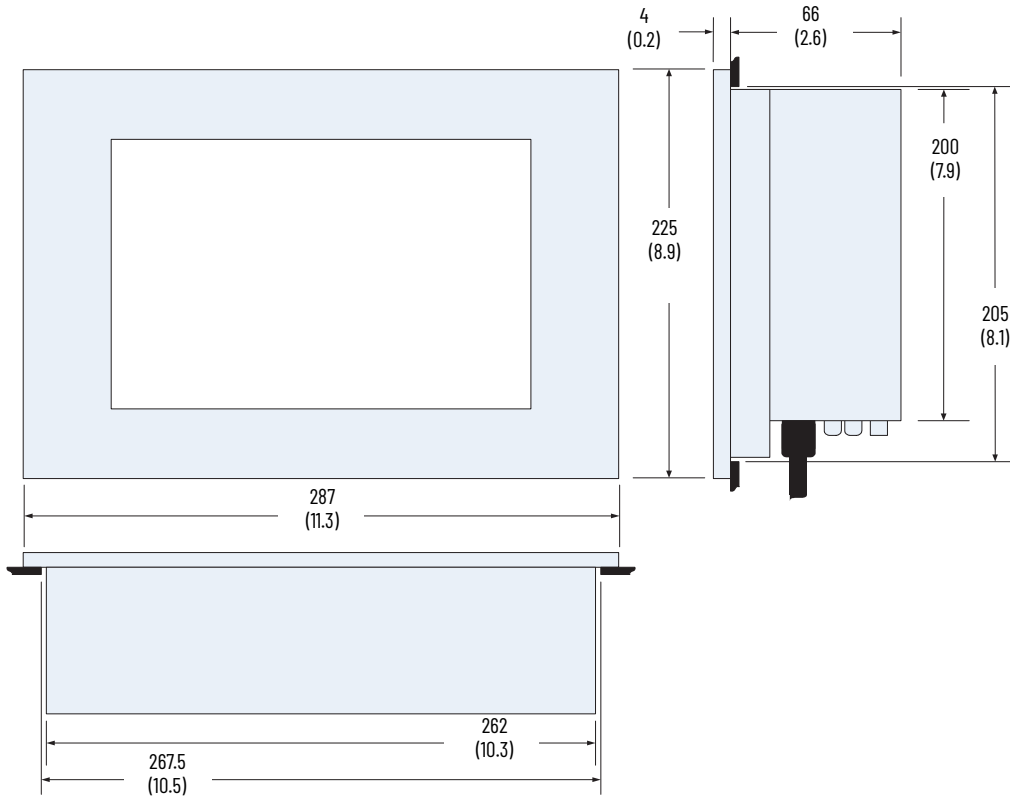
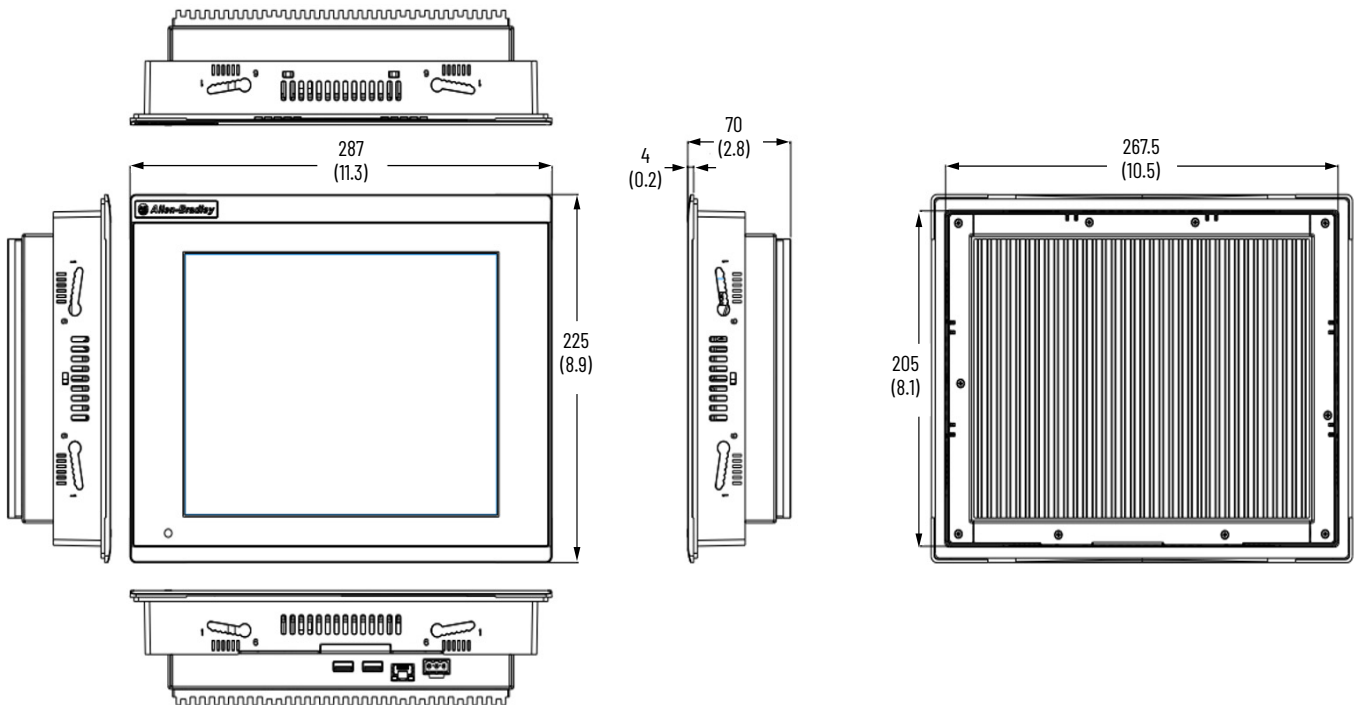


Figure 2 - External Dimensions



## Additional Resources

These documents contain additional information concerning related products from Rockwell Automation. You can view or download publications at [rok.auto/literature](http://rok.auto/literature).

Resource	Description
PowerFlex 6000 Medium Voltage Variable Frequency Drive User Manual, publication <a href="#">6000-UM002</a>	Provides instructions for daily recurring drive usage, HMI, and maintenance tasks.
PowerFlex 6000T Drives Programming Manual, <a href="#">6000-PM100</a>	Provides detailed information on drive features, programming parameters, and troubleshooting faults and alarms.
PowerFlex 6000T Drives Hardware Service Manual, <a href="#">6000-TG100</a>	Provides instructions for daily recurring drive usage, HMI, and maintenance tasks.
PowerFlex 7000 AC Drive A Frame User Manual, publication <a href="#">7000A-UM200</a>	Provides detailed information on hardware replacement, overview, control and power component definition, maintenance and specifications for air-cooled A frame medium voltage variable frequency drives.
PowerFlex 7000 AC Drive B Frame User Manual, publication <a href="#">7000-UM202</a>	Provides detailed information on hardware replacement, overview, control and power component definition, maintenance and specifications for air-cooled B frame medium voltage variable frequency drives.
PowerFlex 7000 AC Drive C Frame User Manual, publication <a href="#">7000L-UM303</a>	Provides detailed information on hardware replacement, overview, control and power component definition, maintenance and specifications for liquid-cooled C frame medium voltage variable frequency drives.
PowerFlex 7000 HMI Offering User Manual, publication <a href="#">7000-UM201</a>	Provides detailed information to configure, set up, operate, update and troubleshoot the PowerFlex 7000 HMI Interface Board.
PowerFlex 7000 AC Drive Medium Voltage AC Drive Parameter Manual, publication <a href="#">7000-TD002</a>	Provides complete parameter listing for all PowerFlex 7000 medium voltage drives.
PowerFlex 7000 Medium Voltage AC Drives Technical Data, publication <a href="#">7000-TD010</a>	Provides information on technical specifications, certifications, dimensions, cable considerations, drive torque capabilities, and product selection tables.
PowerFlex 7000 Medium Voltage AC Drives Troubleshooting Guide, publication <a href="#">7000-TG002</a>	Provides fault and warning messages, spare parts, and fault and warning codes for all PowerFlex 7000 medium voltage drives.
EtherNet/IP Network Devices User Manual, <a href="#">ENET-UM006</a>	Describes how to configure and use EtherNet/IP devices to communicate on the EtherNet/IP network.
Ethernet Reference Manual, <a href="#">ENET-RM002</a>	Describes basic Ethernet concepts, infrastructure components, and infrastructure features.
System Security Design Guidelines Reference Manual, <a href="#">SECURE-RM001</a>	Provides guidance on how to conduct security assessments, implement Rockwell Automation products in a secure system, harden the control system, manage user access, and dispose of equipment.
UL Standards Listing for Industrial Control Products, publication <a href="#">CMPNTS-SR002</a>	Assists original equipment manufacturers (OEMs) with construction of panels, to help ensure that they conform to the requirements of Underwriters Laboratories.
American Standards, Configurations, and Ratings: Introduction to Motor Circuit Design, publication <a href="#">IC-AT001</a>	Provides an overview of American motor circuit design based on methods that are outlined in the NEC.
Industrial Components Preventive Maintenance, Enclosures, and Contact Ratings Specifications, publication <a href="#">IC-TD002</a>	Provides a quick reference tool for Allen-Bradley industrial automation controls and assemblies.
Safety Guidelines for the Application, Installation, and Maintenance of Solid-state Control, publication <a href="#">SGI-1.1</a>	Designed to harmonize with NEMA Standards Publication No. ICS 1.1-1987 and provides general guidelines for the application, installation, and maintenance of solid-state control in the form of individual devices or packaged assemblies incorporating solid-state components.
Industrial Automation Wiring and Grounding Guidelines, publication <a href="#">1770-4.1</a>	Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certifications website, <a href="http://rok.auto/certifications">rok.auto/certifications</a>	Provides declarations of conformity, certificates, and other certification details.

# Rockwell Automation Support

Use these resources to access support information.

<b>Technical Support Center</b>	Find help with how-to videos, FAQs, chat, user forums, Knowledgebase, and product notification updates.	<a href="http://rok.auto/support">rok.auto/support</a>
<b>Local Technical Support Phone Numbers</b>	Locate the telephone number for your country.	<a href="http://rok.auto/phonesupport">rok.auto/phonesupport</a>
<b>Technical Documentation Center</b>	Quickly access and download technical specifications, installation instructions, and user manuals.	<a href="http://rok.auto/techdocs">rok.auto/techdocs</a>
<b>Literature Library</b>	Find installation instructions, manuals, brochures, and technical data publications.	<a href="http://rok.auto/literature">rok.auto/literature</a>
<b>Product Compatibility and Download Center (PCDC)</b>	Download firmware, associated files (such as AOP, EDS, and DTM), and access product release notes.	<a href="http://rok.auto/pcdc">rok.auto/pcdc</a>

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Rockwell Automation maintains current product environmental compliance information on its website at [rok.auto/pec](http://rok.auto/pec).

Rockwell Otomasyon Ticaret A.Ş. Kar Plaza İş Merkezi E Blok Kat:6 34752, İçerenköy, İstanbul, Tel: +90 (216) 5698400 EEE Yönetmeliğine Uygundur

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AMERICAS: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000

EUROPE/MIDDLE EAST/AFRICA: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2663 0600

ASIA PACIFIC: Rockwell Automation SEA Pte Ltd, 2 Corporation Road, #04-05, Main Lobby, Corporation Place, Singapore 618494, Tel: (65) 6510 6608

UNITED KINGDOM: Rockwell Automation Ltd., Pitfield, Kiln Farm, Milton Keynes, MK11 3DR, United Kingdom, Tel: (44)(1908) 838-800

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