

Honeywell HCIX15-TE-FA-NC-C

15-inch Controller Interface

Product scope

- Presents controller data on a 15-inch XGA colour touchscreen.
- Connects to automation equipment through Ethernet and selectable serial interfaces.
- Stores and transfers projects through CompactFlash or USB service media.

Manufacturer source

Exact-model technical record

Verified model-specific overview, function, operating principle, applications and technical data.

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Honeywell HCIX15-TE-FA-NC-C

15-inch Controller Interface

Product overview

Honeywell HCIX15-TE-FA-NC-C is a 15-inch TFT controller interface with 1024 x 768 touch operation, Ethernet and serial communications. The exact nameplate execution accepts 85–264 V AC and is rated for a 0–50 °C ambient.

HCIX15-TE-FA-NC-C combines a 65,536-colour 15-inch display, analog resistive touch panel and 32-bit RISC processing in a panel-mounted operator interface. The front assembly is designed to meet the documented IP65F protection level when installed correctly.

The terminal displays process graphics, accepts operator commands and exchanges data with compatible controllers over RS-232C, RS-422/485 or 10/100 Ethernet. USB and CompactFlash storage support project transfer and service functions.

Panel cutout, supply range, communication option and project files must be checked before exchange. The exact unit label limits the installation ambient to 0–50 °C even though broader family values appear in general HCIX tables.

Technical specifications

Display size	15.0 inch
Display technology	TFT colour LCD
Display resolution	1024 x 768 pixels
Display colours	65,536
Touch resolution	1024 x 768
Touch technology	Analog resistive
Processor	32-bit RISC
Flash memory	26 MB
Rated input	85 to 264 V AC
Input frequency	50/60 Hz
Maximum apparent power	24 VA
Nameplate ambient	0 to 50 °C
Storage temperature	-20 to 70 °C
Permitted humidity	Below 85% RH, non-condensing
Front protection	IP65F when panel-mounted
Internal interfaces	RS-232C and USB
External interfaces	RS-232C, RS-422/485 and 10/100 Ethernet
External storage	CompactFlash and USB
Insulation resistance	10 MΩ minimum
Impulse withstand	1500 V peak for 1 μs
Grounding	Class 3, less than 100 Ω
Vibration resistance	1 g from 10 to 25 Hz
Panel cutout	355 x 286 mm
Country marking	Made in Korea

HCIX15-TE-FA-NC-C function and operating principle

Ordered configuration

The complete suffix identifies a specific HCIX15 communication, supply and language configuration.

System role

It serves as the operator layer for process visualization, command entry, alarms and maintenance screens.

Selection and installation

The saved application, controller driver and panel opening should be validated before the terminal is exchanged.

Functional path

- Presents controller data on a 15-inch XGA colour touchscreen.
- Connects to automation equipment through Ethernet and selectable serial interfaces.
- Stores and transfers projects through CompactFlash or USB service media.

Application scenarios

- Machine operators use the XGA screen for status, recipes and production commands at the local panel.
- Process skids connect Ethernet or serial controllers to a single graphical operating station.
- Maintenance teams transfer application backups through removable media before servicing an installed terminal.

HCIX15-TE-FA-NC-C engineering checks

Communication

- A 10/100 Ethernet interface supports controller or engineering-station communication.
- RS-232C and RS-422/485 ports accommodate compatible serial automation protocols.
- USB provides a local service path for project and maintenance operations.

Configuration & Programming

- The HMI project defines screen graphics, tags, alarms and the controller driver.
- CompactFlash or USB media can support project storage and transfer according to the engineering procedure.
- A replacement terminal must receive the matching application before it can resume operator control.

Certifications & Standards

- The front assembly is rated IP65F when the panel seal and cutout are installed correctly.
- The product carries CE marking and the documented electrical-insulation requirements.
- Class 3 grounding below 100 ohms is required for the installed unit.

Critical technical note

Use the exact 0–50 °C nameplate limit for HCIX15-TE-FA-NC-C and back up the HMI project before disconnecting power.

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