

HCiX Series

Touch Panel Operator Interface

Specification

Overview

HCiX series operator interfaces allow operator to access all controller functions through custom graphics and touch screen interface on color LCD display.

HCiX 10 - T

10.4" Color TFT LCD (256 colors)

Touch Screen (Analog/Resistive Type)

HCiX 12 - T

12.1" Color TFT LCD (256 colors)

Touch Screen (Analog/Resistive Type)

HCiX 15 - T

15.0" Color TFT LCD (256 colors)

Touch Screen (Analog/Resistive Type)

Features

• Color TFT LCD (HCiX 10/12/15)

Color TFT LCD is standard on all HCiX models. It is a high quality display with wide viewing angle. It provides up to 256 real colors.

• Touch Screen (Resistive Type)

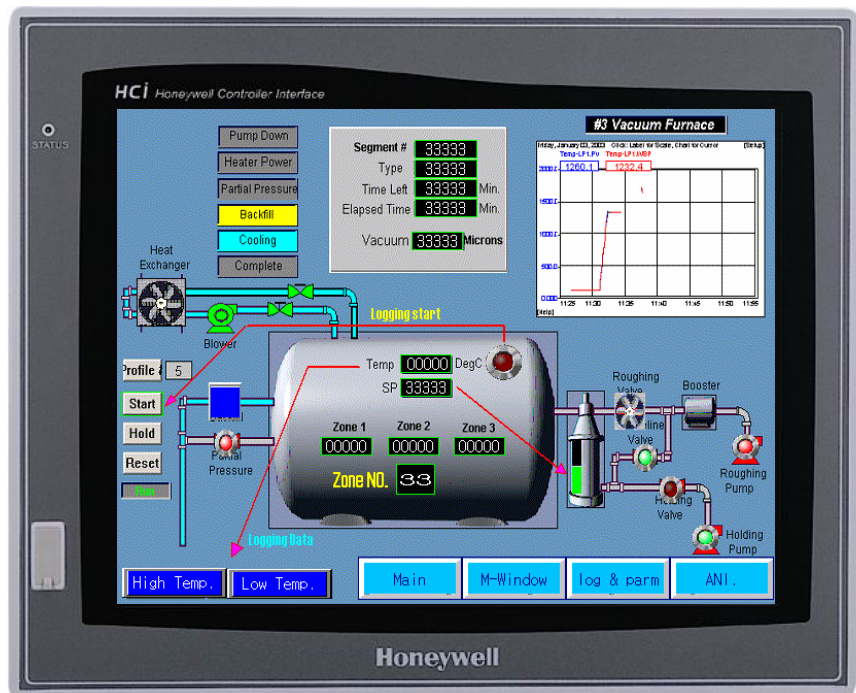
Operator can do changes to parameters by touching the screen directly. It offers much easier operation than the conventional keyboard.

• Processor - 32 bit RISC CPU

The HCiX uses a 32 bit RISC CPU for high speed graphic processing

• IP65F Front Enclosure

In case of "No front USB Port" model, Front face is IP65F rated to permit use in tough applications where the HCiX is



subjected to moisture, dust etc. But for models with front USB Port, the front face protection is IP64 rating.

• Communication

RS-232C and RS-422/485 serial ports and Ethernet are standard features. Additionally Profibus communication adapter is also supported. Custom interface designs can be downloaded via RS-232C, Ethernet and USB communication and by using USB and CF Card memory.

• Data storage

HCiX support CF Card and USB memory interface to log high capacity data. The logged data can be analyzed and printed via CF Viewer application program.

(CF Viewer is supplied as standard)

• Multi-Language Support

Language selection can be made on screen. Choices include English/Korean or English/Chinese

• HCiX Designer

HCiX Designer software is offered as standard package. Custom designed graphics can be variables, and those variables can be selected without register addressing.

• Various Objects (Tags)

HCiX designer offers wide variety of design tools such as numeral, lamp, message, alarm, keypad, graph, animation, window etc. It makes the design of displays (Monitoring / Operating) a breeze.

Specifications

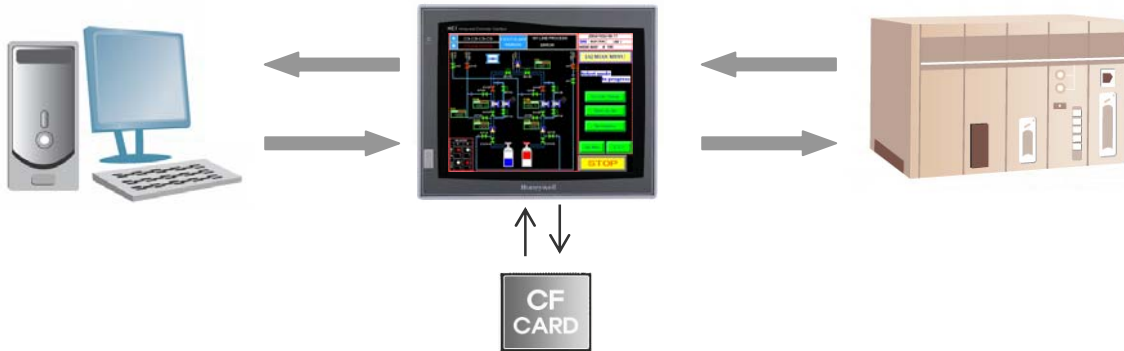
MODEL	HCiX 10 - TE	HCiX 12 - TE	HCiX 15 - TE
Screen Size	10.4"	12.1 "	15.0 "
Resolution	800 x 600	800 x 600	1024 x 768
Color	256	256	256
Brightness	230 cd / m ²	300 cd / m ²	250 cd / m ²
Touch Type	Analog	Analog	Analog
Touch Cell	800 x 600	800 x 600	1024 x 768
CPU	32 bit RISC	32 bit RISC	32 bit RISC
Memory	8M Flash Memory	8M Flash Memory	12M Flash Memory
Operating Power	AC 85 – 264 V	AC 85 – 264 V	AC 85 – 264 V
Power Consumption	Max. 20 W	Max. 20 W	Max. 25 W
Operating Temperature	0 – 50 °C	0 – 50 °C	0 – 50 °C
Storage Temperature	-10 – 60 °C	-10 – 60 °C	-10 – 60 °C
Ambient Humidity	Below 85% RH	Below 85% RH	Below 85% RH
Approvals	CE	CE	CE
Front Enclosure	IP65F	IP65F	IP65F
Insulation Resistance	10 MΩ	10 MΩ	10 MΩ
Ground	Class 3 Grounding Resistance under 100Ω	Class 3 Grounding Resistance under 100Ω	Class 3 Grounding Resistance under 100Ω
Noise Endurance (impulse)	1200 Vp-p (pulse width 1μs)	1200 Vp-p (pulse width 1μs)	1200 Vp-p (pulse width 1μs)
Vibration Endurance (X-Y-Z 1G)	10 ≤ F ≤ 25 Hz	10 ≤ F ≤ 25 Hz	10 ≤ F ≤ 25 Hz
Internal Communication	RS-232C, USB	RS-232C USB	RS-232C USB
External Communication	RS-232C RS-422/485 Ethernet(10Base-T/100Base-T) Profibus	RS-232C RS-422/485 Ethernet(10Base-T/100Base-T) Profibus	RS-232C RS-422/485 Ethernet(10Base-T/100Base-T) Profibus
Data storages	Compact Flash Memory USB Storage	Compact Flash Memory USB Storage	Compact Flash Memory USB Storage
Printer	Roll Printer Print with USB port(PCL Level 3 Language)	Roll Printer Print with USB port(PCL Level 3 Language)	Roll Printer Print with USB port(PCL Level 3 Language)

CF Card Application

Data management system has been improved by using CF Card.

► Saving logged data

Data logging: Data logged to HCiX is saved to a CF Card as a CSV file format and can be edited in a program like Microsoft Excel.



USB Interface Application

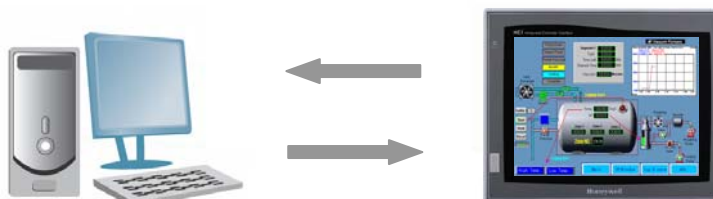
► Data transfer

A configuration file using PC, OS (Operating System), Character Font and Recipe can be saved to USB storage and the saved data can be transferred to other HCiX. The front USB port of HCiX supports much convenience for the above-mentioned functions.



► Download and Upload (USB Device)

A configuration file can be downloaded or uploaded by using USB Device port rapidly.



Network Application

► Hcix Informiner

- Data analysis/ Print and Reports
- User defined report function

► Hcix Anyware

- History management of updated Hcix(OS and HMI version)
- Monitoring operation status, Real time logging / Alarms, Graph, used memory capacity etc.
- High speed transfer by using Transmitter.
- Accumulation of logging and alarm data into database.

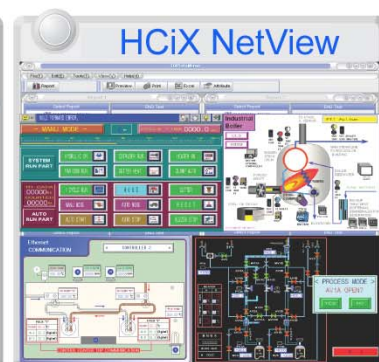
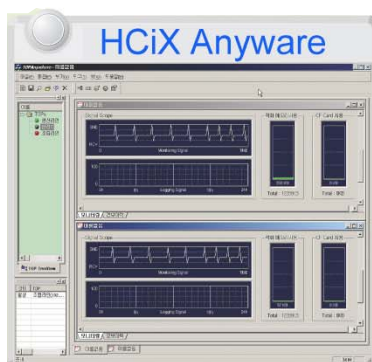
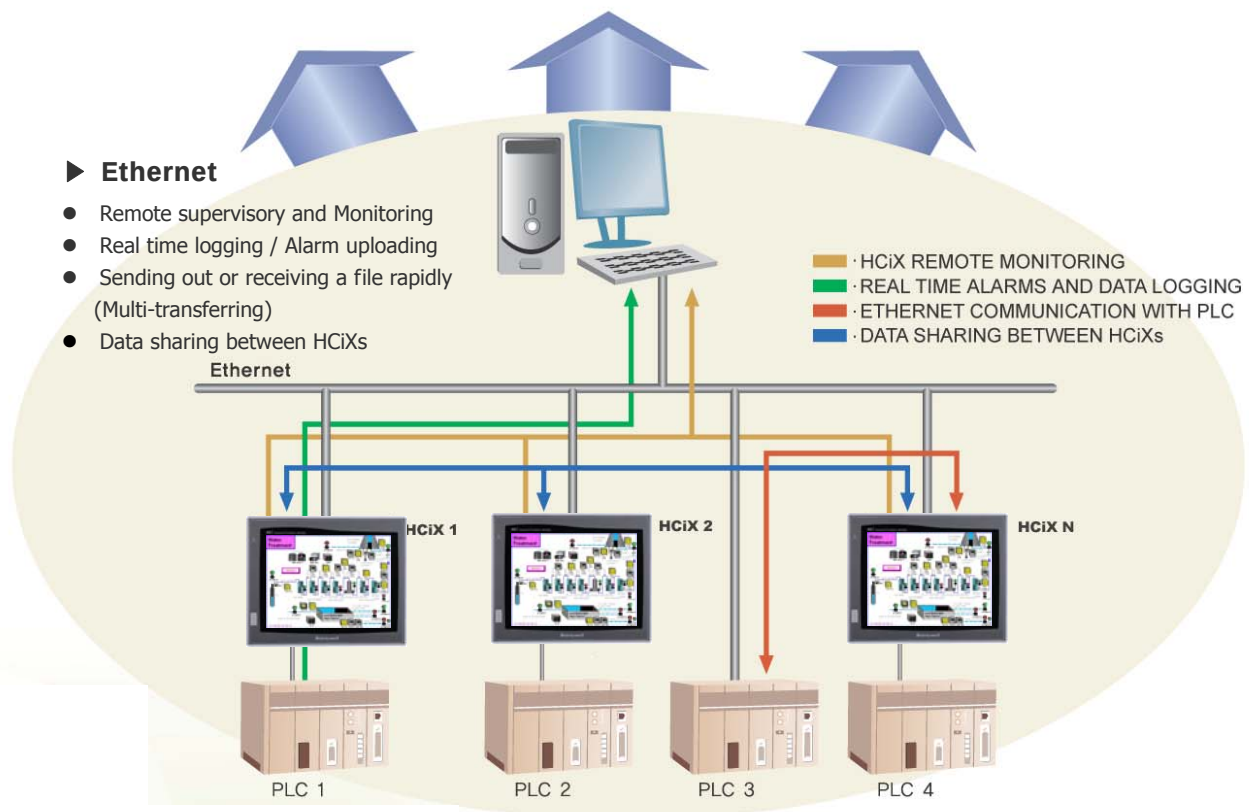
► Hcix NetView

- Monitoring a special Hcix remotely.
- Screen changing of a Hcix in the field. But this function can be limited according to circumstances.

► Ethernet

- Remote supervisory and Monitoring
- Real time logging / Alarm uploading
- Sending out or receiving a file rapidly (Multi-transferring)
- Data sharing between Hcixs

- Hcix REMOTE MONITORING
- REAL TIME ALARMS AND DATA LOGGING
- ETHERNET COMMUNICATION WITH PLC
- DATA SHARING BETWEEN Hcixs



Connectable PLC List					
Maker	Series	CPU type	CPU Port	Link (I/F Module)	Multi-Drop (1:N)
Honeywell	HC900	C30/C50/C70R	●		●
	Master Logic	100R	●	◆	
		200R		◆	
Modicon (Schneider)	Modbus	884/984A/984B/984X		◆	●
		Slot-mount984		◆	●
	TWIDO	LCAA 10DRF	●	◆	●
		LCAA 16DRF	●	◆	●
		LCAA 24DRF	●	◆	●
		LMDA 20DTK	●	◆	●
		LMDA 20DUK	●	◆	●
		LMDA 20DRT	●	◆	●
		LMDA 40DTK	●	◆	●
		LMDA 40DUK	●	◆	●

Note 1)

1. The CPU port is a case using the CPU communication ports of PLC.
2. The Link(I/F Module) is a case using the communication interface card to be added to PLC slot.
3. The Multi-Drop is a case which the 1:N communication is available.

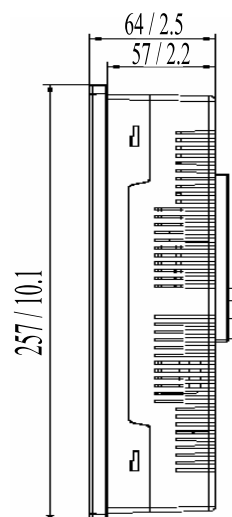
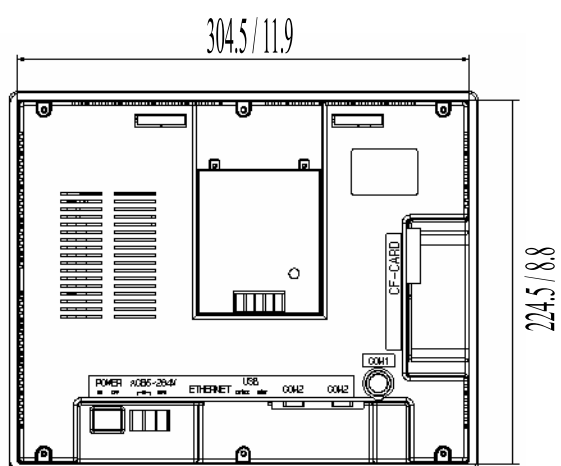
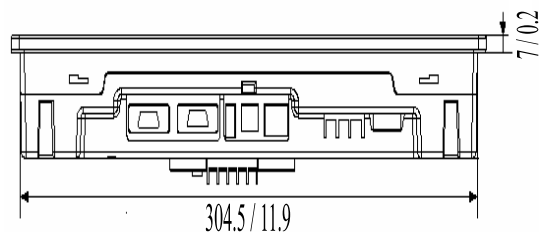
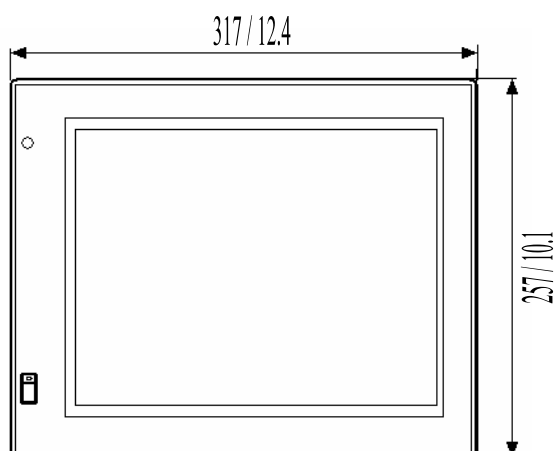
Note 2)

The connectable PLCs will be added continuously.

External Dimension

HCiX 10 / 12

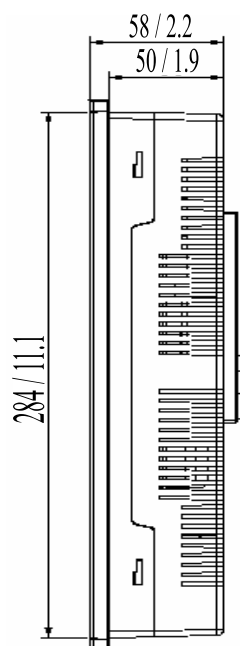
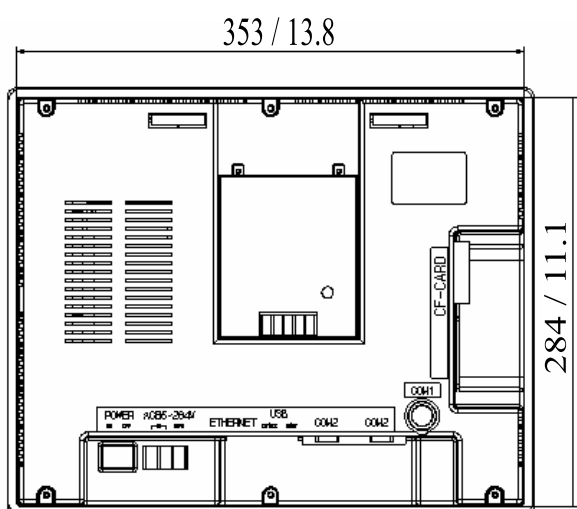
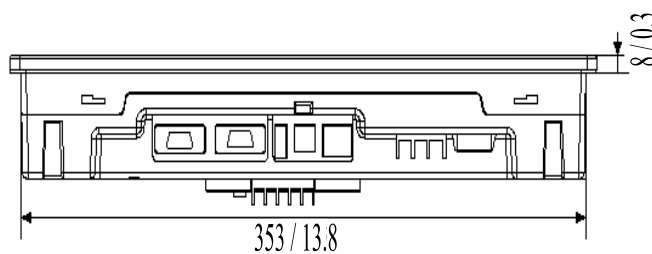
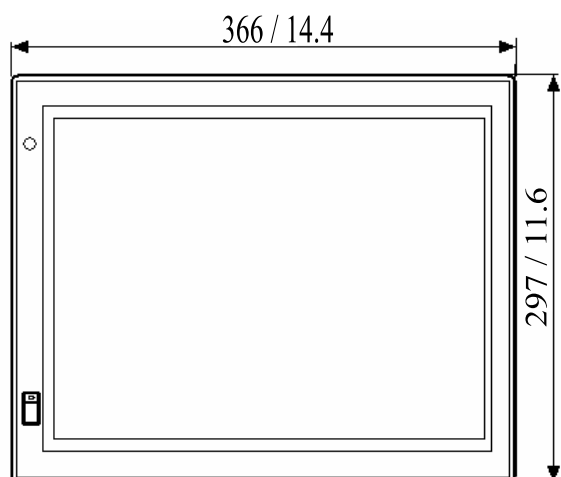
Unit : mm / inches



External Dimension

HCIX 15

Unit : mm / inches



Panel Cutout

MODEL	HCiX 10 - TE	HCiX 12 - TE	HCiX 15 - TE
External Dimension W (mm) x H (mm) x D (mm) W(inches) x H(inches) x D(inches)	317 x 257 x 64 12.48 x 10.11 x 2.51	317 x 257 x 64 12.48 x 10.11 x 2.51	366 x 297 x 58 14.4 x 11.6 x 2.28
Panel Cutout W (mm) x H (mm) W(inches) x H(inches)	307 x 247 12.08 x 9.72	307 x 247 12.08 x 9.72	357 x 286.5 14.05 x 11.27

Model Number Interpretation

Instruction

- Select the desired key number. The arrow to the right marks the selection available
- Make the desired selections from Table I through Table III using the column below the proper arrow.

A dot (•) denotes the availability

Key Number
HCiX - - -

KEY NUMBER

Description		Selection	Availability		
Display Size	10.4"	HCiX 10	↓		
	12.1"	HCiX 12		↓	
	15.0"	HCiX 15			↓

TABLE I - LCD TYPE & COMMUNICATION

LCD Type	TFT Color LCD	T _	•	•	•
Communication	RS-232C, RS-485, Ethernet, USB, CF Card	_ E	•	•	•

TABLE II - Options

Front USB Port	None	N _	•	•	•
	Front USB Port	F _	•	•	•
Operating Power	85 to 264 Vac	_ A	•	•	•

TABLE III - Language

Display Language	English, Chinese	C	•	•	•
	English, Korean	K	•	•	•

Warranty / Remedy

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Contact your local sales office for warranty information. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace without charge those items it finds defective. The foregoing is Buyer's sole remedy and is **in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose**. Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use. While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications are subject to change without notice.

Honeywell Process Solution

IM&C Asia Pacific
Honeywell Building
17 Changi Business Park Central 1
Singapore 486073

Honeywell
www.honeywell.com/imc