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HMI

HMI

# MT6000 series
## Open HMI

Powerful Marvell PXA270 RISC CPU
User-friendly Windows CE OS

# MT5000 Series
## High-end HMI

Powerful Marvell PXA270 RISC CPU
Linux OS with high efficiency

## ■ Introduction:

MT6000 series is Kinco open HMI with PXA270 RISC CPU and Windows CE OS. MT6000 are designed under the "open" concept and suitable for versatile applications such as industrial automation, building automation and intelligent home management system.

## ■ Features:

1. WinCE 5.0 OS and open architecture give customers free to develop versatile applications;
2. PLC-HMI all-in-one solution, with CoDeSys;
3. SDK and tools available for proprietary application development;
4. Serial ports, USB Host/Client ports, Ethernet and CANopen interfaces;

## ■ Technical Specification

| Model: | MT6300C | MT6300T | MT6400T | MT6500T |
|---|---|---|---|---|
| | MT6300C–CAN | MT6300T–CAN | MT6400T–CAN | MT6500T–CAN |
| Size of Display | 5.6" | 5.7" | 8" | 10.4" |
| Resolution | 320 × 234 | 320 × 240 | 640 × 480 | 640 × 480 |
| Color | 65536 colors | 65536 colors | 65536 colors | 65536 colors |
| Brightness | 300cd/m² | 500cd/m² | 350cd/m² | 400cd/m² |
| CPU | 32–bit 520MHz RISC | | | |
| Backlight | LED | 1CCFL | 1CCFL | 2CCFL |
| Power Consumption | 7.2W | 7.2W | 10.8W | 12W |
| Rated Voltage | DC 24V | DC 24V | DC 24V | DC 24V |
| Operation Temp. | 0~45℃ | –10~70℃ | 0~45℃ | 0~45℃ |
| Cutout Size | 192 × 138mm | 192 × 138mm | 224 × 161mm | 298 × 218mm |
| Weight | 1.12kg | 1.12kg | 1.28kg | 1.97kg |
| CE Certificate | EN61000–6–2:2005, EN61000–6–4:2007 | | | |
| FCC compliance | Comply with FCC Class A directory | | | |
| Notes | MT6000 pre–install WinCE5.0 pro OS; MT6000–CAN pre–install WinCE5.0 core OS. | | | |

MT6300C(T)    MT6400T    MT6500T

## ■ Introduction:

MT5000 series HMI are designed for the high-end market. The powerful Marvell PXA270 RISC CPU and built-in Linux OS ensure the high performance of MT5000. Besides the impressive speed, MT5000 series feature field bus interfaces Profibus-DP/CANopen.

## ■ Features:

1. Support Profibus-DP/CANopen/MPI interfaces, support network configuration with MPI protocol;
2. USB Host/Client interface and SD card slot for mass data storage;
3. Optional video input and audio output for multimedia applications;
4. Ethernet interface and optional OPC server software available;
5. Data exchange between any two communication ports.

MT5320C    MT5323T    MT5423T    MT5520T    MT5620T    MT5720T

## ■ Technical Specification

| Model | MT5320C | MT5323T | MT5423T | MT5520T | MT5620T | MT5720T |
|---|---|---|---|---|---|---|
| | MT5320C–CAN/DP/MPI | MT5323T–CAN/DP/MPI | MT5423T–CAN/DP/MPI | MT5520T–CAN/DP/MPI | MT5620T–CAN/DP/MPI | MT5720T–CAN/DP/MPI |
| Size of Display | 5.6" | 5.7" | 8" | 10.4" | 12.1" | 15" |
| Resolution | 320 × 234 | 640 × 480 | 800 × 600 | 640 × 480 | 800 × 600 | 1024 × 768 |
| Backlight | LED | LED | LED | 2CCFL | 2CCFL | 2CCFL |
| Operation Temp. | 0~45℃ | –20~70℃ | 0~45℃ | 0~45℃ | –10~65℃ | 0~50℃ |
| Cutout Size | 192 × 138mm | 192 × 138mm | 224 × 161mm | 298 × 218mm | 327 × 241mm | 387.5× 294.5mm |
| Notes | CANopen 2.0 protocol supported;  Profibus–DP client node; MPI multi–nodes network supported. | | | | Aluminium alloy front panel;  CANopen 2.0 protocol supported;  Profibus–DP client node; MPI multi–nodes network supported. | |

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# MT4000 series
## HMI with best value

MT4000 series HMI feature 32-bit RISC CPU and reliable Linux OS

# MD series text display

Choice for simple applications

MD214L
MD304L

MD204L

MD224L

## ■ Introduction:

MT4000 series HMI feature 32-bit RISC CPU and reliable Linux OS. True color display, fast speed and abundant software functions make MT4000 suitable for most industrial automation applications. MT4000 support over 200 different PLCs from major suppliers, customized communication drivers are available. MT4000 is your choice for data acquire and machine control.

MT4000 series have the functions of direct online simulation, indirect online simulation and have high capacity memory to store user program, also support the standard C language macro. It can complete the

applications of data connection, calculation, controlling and so on quickly and effectively.

## ■ Features:

1. Vivid display with 65536 colors, support import of BMP, JPG and GIF pictures;
2. 32-bit RISC CPU ensures fast response;
3. Full line from 4.3" up to 12.1";
4. MT4000E series support 10M/100M self-adaptive ethernet port;
5. Strong Kinco HMIware functions, supports C language macro code.

## ■ Introduction:
MD series programmable text HMI are designed for simple applications where low cost is a critical requirement. MD series support major PLCs. The operator can monitor and modify the real-time value and status of PLC registers via text and graphic symbols.

## ■ Features:
1. 4.3" STN LCD;
2. Support real time clock.

## ■ Technical Specification

| Model | MD204L | MD214L | MD224L | MD304L |
|---|---|---|---|---|
| Size of display | 4.3" | 4.3" | 4.3" | 4.3" |
| Resolution | 192 × 64 | 192 × 64 | 192 × 64 | 192 × 64 |
| Function Keys | 20 | 19 | 20 | 19 |
| Backlight | Yellow–green LED | White LED | Yellow–green LED | White LED |
| Operation Temp. | 0~50℃ | 0~50℃ | 0~50℃ | 0~50℃ |
| Cutout size | 165 × 86mm | 165 × 78mm | 165 × 86mm | 165 × 78mm |

MT4210T
MT4220TE

MT4310C
MT4300C(E)

MT4403T(E)

MT4404T(E)
MT4424TE

MT4414T(E)
MT4414TE–CAN

MT4512T(E)
MT4522T(E)

MT4513T(E)
MT4523T(E)

MT4620TE

## ■ Technical Specification

| Model | MT4210T MT4220TE | MT4310C MT4300C(E) | MT4404T(E) MT4424TE | MT4414T(E) MT4414TE–CAN | MT4403T(E) | MT4512T(E) MT4522T(E) | MT4513T(E) MT4523T(E) | MT4620TE |
|---|---|---|---|---|---|---|---|---|
| Size of Display | 4. 3"(16:9) | 5.6" | 7" (16:9) | 7" (16:9) | 8" | 10.1"(16:9) | 10.4" | 12.1" |
| Resolution | 480 × 272 | 320 × 234 | 800 × 480 | 800 × 480 | 800 × 600 | 800 × 480 | 800 × 600 | 800 × 600 |
| Backlight | LED | LED | LED | LED | LED | LED | LED | LED |
| Operation Temp. | –20~55℃ | 0~45℃ | 0~45℃ | 0~45℃ | –10~45℃ | 0~45℃ | 0~45℃ | –10~55℃ |
| Cutout Size(mm) | 145 × 81 | 192 × 138 | 194 × 113 | 192 ×138 | 224 × 161 | 298 × 218 | 298 × 218 | 340 × 250 |

## Awards Winning By HMI

No.1 of "Most popular HMI brands"
--China Control Net, 2005

The Best HMI product 2005
Innovation award for Chinese vendors 2007, 2008 and 2011
--Control Engineering Magazine(America)

The Best HMI product 2005

Innovation award for Chinese vendors 2007, 2008 and 2011