

Linux-ready Arm-based 7" HMI Computing

HC-3070



Features

- Fanless / Rugged Design HMI Computing
- 7" TFT LED backlight LCD display , 4-wired resistive touch
- TI AM3352 1GHz Sitara Arm Cortex-A8 32-Bit RISC Processor
- Onboard 512MB DDR3 SDRAM and 4GB eMMC
- Rich I/O with RS-232/422/485, USB, and LAN
- Level 4 ESD Protection
- Panel or VESA mounting, IP65 front bezel
- Low power consumption, DC24V power input
- Linux Operating System, Support most popular PLC/Controller

■ H/W Specifications

CPU / Memory

- CPU: TI AM3352 Sitara Arm Cortex-A8 32-Bit RISC Processor
- Frequency: 1GHz
- Memory: 512MB DDR3 SDRAM, 4G eMMC

Graphic

- SGX530 3D Graphics Engine
- Industry Standard API Support of Direct3D Mobile, OGL-ES 1.1 / 2.0, OpenVG 1.0, and OpenMax

LCD Display

- Display Size: 7" TFT LCD
- Resolution: 800 x 480
- Viewing Angle (H/V°): 140°/120°
- Luminance (cd/m2): 300
- Contrast Ratio: 1500:1
- Backlight: LED
- Life: 20000hrs

Touchscreen

- Touch Type: 4-wired Resistive Touch

USB Interface

- 1 x USB 2.0 Host (Type A)
- 1 x USB 2.0 Client (Type B)

Serial Ports

- 2 x RS-232/422/485 (COM1, COM2)
- 1 x RS-422/485 (COM3) (5-pin terminal block)

Network Interface

- 1 x Ethernet (10/100 Mbps), RJ45

SD Slot

- 1x microSD socket
- SD 2.0 compliant, supports SDHC

Power Requirement

- 1x phoenix male 3-pin terminal block
- Power Input: +24VDC typical (+/-20%)
- Power Consumption: 8W (+24V/320mA)

General

- Material: Plastic, IP65 compliant (Front Panel protection)
- Dimensions (W x H x D): 199.8 x 147.8 x 39.8mm (7.87 x 5.82 x 1.57in)
- Net Weight: 0.68Kg (1.5lb)
- Installation: Panel mount, VESA (75x75mm) mount
- Operating Temperature: 0~50°C (32~122°F)
- Humidity: 10~90 % @ 40°C, non-condensing
- Level 4 ESD Protection (Contact: 8KV, Air-Gap :15KV), Class A

■ S/W Specifications

- Linux Operating System
- Supports bootup from eMMC or SD card
- Support Remote software upgrade

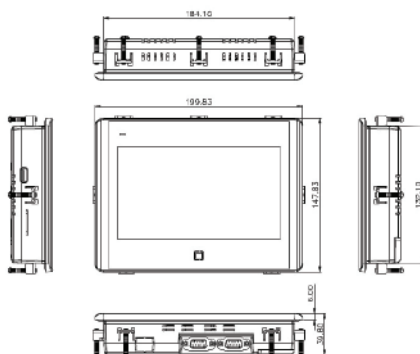
HMI Software Support (Optional)

- Screen Design
- Ribbon UI, Elegant 3D Widgets
- Screen Management, Smartphone-like button and Status bar
- On/Off-Line Simulation, Project protection, Download and upload
- Remote Monitoring, HMI System Menu

Supported PLC / Controller (partial listing as below) (Optional)

- Allen-Bradley
- Koyo
- Mitsubishi FX3UXX, Q-Series ...
- Siemens
- Omron C/CS/CJ series
- Modbus RTU/TCP Master/Slave

■ Dimension Drawing



■ Ordering Information

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PWR-24V-1A

- 100~240VAC to 24VDC@1A Power Adapter