W10FA3S-PCH2LB, 10.1-inch S Series HMI

Enhanced User Experience with PCAP Touch and All-Around LED Status Light Bar

The S Series HMI - W10FA3S-PCH2LB is a 10.1-inch panel PC designed specifically as an interface for smart access control. What makes the series stand out include the features of the PoE function, which allows the transfer of data and electrical power simultaneously resulting in a reduction of installation costs and power consumption, as well as the integrated RFID technology that limits the access only to specific personnel. Ease of cleaning has also been taken into consideration and resulted in the series being built with a true flat surface for easy cleaning and avoiding clogged dust on the edges while delivering superior readability. Experience ultimate access control with all-around programmable LED status light bar for a diverse range of applications including access control systems, conference room management platforms, interactive POS/ kiosk terminals, and many more smart facility control scenarios.

Highlights

- 10.1" 1280 x 800 Resolution with Projected Capacitive Multi-Touch (PCAP)
- Freescale Cortex A9 i.MX6 Dual Core,1 GHz (Optional Quad Core)
- Fanless cooling system and ultra-low power consumption
- Supports PoE function
- All-around LED status light bar
- Optional HF RFID Reader
- Stylish design for room booking, access control and room information applications

PoE

RFID

Winmate

W10FA3S-PCH2LB, 10.1-inch S Series HMI

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Display Specification

Panel Size	10.1" TFT (Wide screen)
Resolution	1280 x 800
Contrast Ratio	800:1 (typ.)
Brightness	350 (typ.) nits [1]
Viewing Angle	-85~85(H);-85~85(V)
Max Colors	16.7M
Touch	Projected Capacitive Multi-Touch (PCAP), optional anti-glare coating

System Specification

CPU	Freescale Cortex A9 i.MX6 Dual Core, 1 GHz (Optional Quad Core)
System Memory	1 GB LPDDR3 (Optional 2 GB) [2]
Storage	16 GB eMMC (default), Micro SD card
Operating System	Android 6.0 (Default) Ubuntu 16.04 (Optional)

Interface

Ethernet LAN	1 x RJ 45-10/100/1000 Mbps LAN, supports PoE function
Serial Ports	1 x RS-232/422/485, 1 x CANBus
USB	1 x USB 2.0 Host, 1 x USB OTG
Power Input	1 x Terminal Block 3 pin
HMDI	1 x Micro HDMI
Memory Card Slot	1 x Micro SD Card Slot

Audio

Speaker	1 x 1 Watt speaker

Keyboard and Input

LED Indicators	All-around RGB LED status light bar
Touch	PCAP touch

Data Capture

HF RFID	HF RFID Reader (Optional)

Power Management

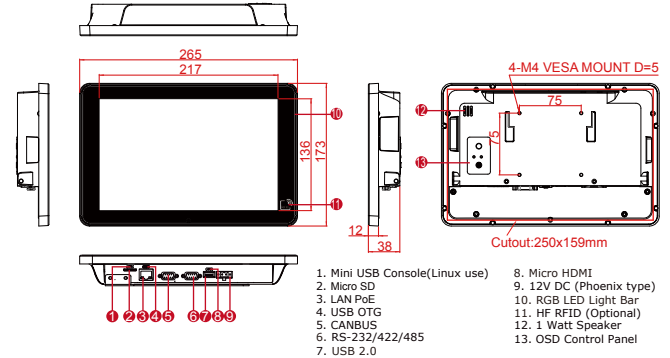|	
Power Input	12V DC
Power over Ethernet (PoE)	Power Device (PD), follows IEEE 802.3at (25 W), IEEE 802.3af (15 W)
AC Adapter	12 W

Standards and Certification

EMC	CE
Safety	FCC

Mechanical Specifications

Dimensions	263.28 x 171 x 35.7 mm
Cutout	157.6 x 249 mm [3]
Mounting	VESA Mount (75x75mm), Panel Mount, Front Side Wall Mount

Environment

Operarting Temperature	0 °C to 50 °C
Operating Humidity	30% to 90% (non-condensing)
IP Rating	Front IP65 waterproof and dustproof

Drawing [4]

265
217
136
173
75
4-M4 VESA MOUNT D=5
75
12
38
Cutout:250x159mm

1. Mini USB Console(Linux use)
2. Micro SD
3. LAN PoE
4. USB OTG
5. CANBUS
6. RS-232/422/485
7. USB 2.0
8. Micro HDMI
9. 12V DC (Phoenix type)
10. RGB LED Light Bar
11. HF RFID (Optional)
12. 1 Watt Speaker
13. OSD Control Panel

1. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
2. Total usable memory will be less depending upon actual system configuration.
3. Length measurements do not include protrusions. Weight varies with options.
4. This is a simplified drawing and some components are not marked in detail.
5. Accessories and integrated options may vary depending on your configuration.

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