

KDS

A7 KDS

Kitchen Display System



FEATURES

- 21.5" touch screen display
- High performance Intel processor and fanless design
- Entire device IP54-rated, front panel IP65-rated
- Vapor proof I/O cover and protective cable tubing
- VESA compatible for ceiling, pole and wall mount
- Available with Power-over-Ethernet (PoE) kit
- Windows 10/11 IoT Enterprise, Android 14 GMS, Linux Ubuntu 22.04
- Up to 5 years warranty

Specifications



Item	A7-1-AL	A7-1-E	A7-1-Android
Size	21.5"		
Aspect Ratio	16:9		
Resolution	1920 x 1080		
Brightness	500 nits		
Touch	PCAP touch		
CPU	Alder Lake-P Intel® Core™ i3-1215U Intel® Core™ i5-1245U, vPro	Elkhart Lake Intel® Celeron® J6412	ARM Rockchip RK3399
Memory	DDR4: 4GB / 8GB / 16GB / 32GB		LPDDR4: 4GB
Storage	M.2 PCIe SSD: 128 GB / 256 GB / 512 GB / 1 TB		32 GB eMMC + 1 x micro SD card slot (up to 256 GB)
I/O Interface	3 x serial ports, RS-232 (RJ45), 0V/5V/12V selected in BIOS (COM1, COM2, COM3)		2 x serial ports, RS-232 (RJ45), 0V/5V/12V selected in setting (COM1, COM2)
	1 x Intel LAN(IEEE 802.3 10/100/1000 Mbps)	1 x LAN(IEEE 802.3 10/100/1000 Mbps)	
	1 x RJ11 port support for 2 cash drawers with 24V / 12V jumper setting		
	1 x DC +12V out		
	4 x USB 3.2 + 2 x USB 2.0	3 x USB 3.2 + 3 x USB 2.0	1 x USB3.0 (OTG) + 5 x USB2.0
	1 x DC +12V input		
	1 x audio (1 x line-out)		
	1 x HDMI		
	1 x Type-C (data transfer + display)		1 x micro SD card
	Speaker	1 x speaker (3W)	
Wireless Option	Wi-Fi 6E Intel AX210, IEEE 802.11 a/b/g/n/acR2/axR2, BT 5.3		
Display Support	3 independent displays (Main Display + HDMI + Type-C)		2 independent displays (main display + customer-facing display (USB or HDMI))
Spill & Dust Resistant	Entire unit IP54 certified, front panel IP65-rated		
Operating System	1. Windows 11 IoT Enterprise LTSC 24H2 (64bit) 2. Windows 10 IoT Enterprise LTSC 21H2 (64bit) 3. Linux Ubuntu 22.04		Android 14 GMS
TPM & vPro	1. Intel vPro (i5/i7 CPU only) 2. S/W TPM 2.0 (BIOS)	S/W TPM 2.0 (BIOS)	n/a
Power Adaptor	AC-In 100~240V / DC-Out 12V, 90W / 120W		AC-In 100~240V / DC-Out 12V, 65W
POE	Optional PoE kit available for A7		
Reliability	System operating temperature: 32~104°F / 0~40°C		
	System humidity: 15% ~ 80%		
	Storage temperature: -4~140°F / -20~60°C		
Dimensions (Wx Hx D)	20.55 x 14.8 x 7.91 in / 522 (W) x 376 (H) x 201 (D) mm		
Weight	22.04 lb / 10 kg		
Mounting	Standard VESA (wall, pole, ceiling mount)		
Warranty	5 years (terminal)		3 years (terminal)

*Specification is subject to change without prior notice

Specifications



Item	PoE kit for A7
LAN	10/100/1000BASE-T(X) PoE (IEEE 802.3bt, PD)
PoE Signal in	1
LAN Signal out	1
DC1 12V out (DIN 4pin)	1
Property	Gigabit Ethernet (10/100/1000T), RJ45 port, IEEE 802.3bt PoE++ (Powered Device)
Power available at PD	60W
Voltage range (at PD)	41.1~57V
Maximum cable resistance per pair set	CAT5
Power management	Supports IEEE 802.3af/at/bt (Class 1 to Class 6) powered devices (PD) Max. Number of Class 1-6 PDs
Supported cabling	Supports standard Ethernet cabling (CAT5 or higher)
Supported modes	Mode A
Dimension (W x H x D)	3.39 x 4.57 x 0.94 in / 86 x 116 x 23.94 mm

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