

Alfa

PARTNER

ALFA Series

High Performance BOX PC



FEATURES

- Intel Elkhart Lake/ Tiger Lake CPU with fanless design
- High-speed M.2 PCIe SSD (up to 1 TB)
- Rich I/O interface for connection of peripherals, signage and displays
- Support for USB 3.2 (USB 3.0 for Elkhart Lake)
- Available for Windows and Linux Ubuntu
- Powered USB option
- Easy VESA mounting option

Specifications



Elkhart Lake			
	ALFA MINI	ALFA	ALFA PRO
CPU	Intel® Celeron® J6412 (Elkhart Lake)		
Memory	DDR4 4GB, 8GB, 16GB , 32G		
Storage	M.2 PCIe SSD: 128G / 256G / 512G / 1TB		
I/O Interface	3 x serial ports, RS-232 (DB9), 0V/5V/12V selected in BIOS (COM1, COM2, COM3)		4 x serial ports, RS-232 (DB9), 0V/5V/12V selected in BIOS (COM1, COM2, COM3, COM4)
	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		
	2 x USB 3.2 + 6 x USB 2.0		
	1 x DC + 12V input		
	1 x audio (1 x line-out)		
	1 x HDMI		
	1 x Type-C (data transfer only)		
	1 x VGA		
Wireless Option	Wi-Fi 6E Intel AX210, IEEE 802.11 a/b/g/n/acR2/axR2, BT 5.2		
Powered USB	N/A		3 x 12V & 1 x 24V Powered USB
Display Support	2 independent displays (HDMI + VGA)		
Operating System	1. Windows 11 IoT Enterprise GAC (64bit) ready		
	2. Windows 10 IoT Enterprise LTSC 21H2 (64bit)		
	3. Linux Ubuntu 22.04		
TPM & vPro	S/W TPM 2.0 (BIOS)		
Power Adaptor	AC-In 100~240V / DC-Out 12V, 65W		AC-In 100~240V / DC-Out 12V, 180W
Reliability	System operating temperature: 0~40°C / 32~104°F		
	System humidity: 15% ~ 80%		
	Storage temperature: -20~60°C / -4~140°F		
Dimensions (WxHxD)	255 x 131.5 x 45.1 mm / 10.04 x 5.18 x 1.78 in	255 x 131.5 x 63.1 mm / 10.04 x 5.18 x 2.48 in	
Weight	1.5 kg / 3.3 lb	1.8 kg / 3.97 lb	

*Specification is subject to change without prior notice

Specifications



Tiger Lake			
Item	ALFA MINI	ALFA	ALFA PRO
CPU	Intel® Core™ i3-1115G4 (Tiger Lake UP3) Intel® Core™ i5-1145G7, vPro (Tiger Lake UP3) Intel® Core™ i7-1185G7, vPro (Tiger Lake UP3)		
Memory	DDR4 4GB, 8GB, 16GB, 32G		
Storage	M.2 PCIe SSD: 128G / 256G / 512G / 1TB		
I/O Interface	3 x serial ports, RS-232 (DB9), 0V/5V/12V selected in BIOS (COM1, COM2, COM3)		4 x serial ports, RS-232 (DB9), 0V/5V/12V selected in BIOS (COM1, COM2, COM3, COM4)
	1 x Intel 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 + 4 x USB 2.0		
	1 x DC +12V input		
	1 x audio (1 x line-out)		
	1 x HDMI		
	1 x Type-C (data transfer + display)		
	1 x VGA		
Wireless Option	Wi-Fi 6E Intel AX210, IEEE 802.11 a/b/g/n/ac/2/axR2, BT 5.2		
Powered USB	N/A		3 x 12V & 1 x 24V powered USB
Display Support	3 Independent Displays (HDMI + Type C + VGA)		
Operating System	1. Windows 11 IoT Enterprise GAC (64bit) ready		
	2. Windows 10 IoT Enterprise LTSC 21H2 (64bit)		
	3. Linux Ubuntu 22.04		
TPM & vPro	Intel vPro (i5/i7 CPU only) S/W TPM 2.0 (BIOS)		
Power Adaptor	AC-In 100~240V / DC-Out 12V, 90W		AC-In 100~240V / DC-Out 12V, 180W
Reliability	System operating temperature: 0~40°C / 32~104°F		
	System humidity: 15% ~ 80%		
	Storage temperature: -20~60°C / -4~140°F		
Dimensions (WxHxD)	255 x 131.5 x 45.1 mm	255 x 131.5 x 63.1 mm	
	10.04 x 5.18 x 1.78 in	10.04 x 5.18 x 2.48 in	
Weight	1.5 kg / 3.3 lb	1.8 kg / 3.97 lbs	

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