



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			
Item	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 Ethernet, RJ45)		
	1 x RJ11 port with support for 2 cash drawers with 24V / 12V jumper setting		
	1 x DC +12V out		
	2 x USB 3.0 + 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		
Options	1 x Wi-Fi 6E Intel AX210, IEEE 802.11 a/b/g/n/acR2/axR2, BT 5.2		
Power USB	N/A	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)		
	2. Windows 10 IoT Enterprise LTSC 21H2 (64bit) and newer version		
	3. Linux Ubuntu 22.04		
TPM	Software 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	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 lbs	1.8 kg / 3.97 lbs	

*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 Ethernet, RJ45)			
	1 x RJ11 port with 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			
	Options	1 x Wi-Fi 6E Intel AX210, IEEE 802.11 a/b/g/n/acR2/axR2, BT 5.2		
	Power USB	N/A	N/A	3 x 12V & 1 x 24V Powered USB
	Display Support	3 independent displays (HDMI + Type-C + VGA)		
Operation System	1. Windows 11 IoT Enterprise GAC (64bit)			
	2. Windows 10 IoT Enterprise LTSC 21H2 (64bit) and newer version			
	3. Linux Ubuntu 22.04			
TPM	Intel vPro (i5/i7 CPU only)			
	Software 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%			
	System Temperature: -20~60°C / -4~140°F			
Dimensions	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 lbs		1.8 kg / 3.97 lbs	

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