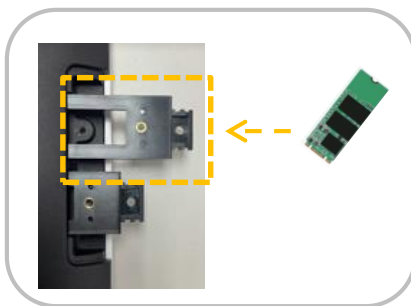# Ares850

Slim Edge POS Terminal

Features

- 15" all-in-one panel PC with bezel-free touch display
- Power efficient Intel® 12th Gen (Alder Lake-P) Core™ Processors
- Easy access M.2 SSD for installation and maintenance
- Optional VFD, 9.7" & 15" attached customer display
- Optional MSR, iButton, fingerprint, 2D scanner and RFID
- Support Type C USB 3.2 Gen1
- Trusted Platform Module 2.0 for data security
- Support NVMe 2.0

Model		Ares850
Display	Display Size	15" TFT LCD
	Resolution	1024 X 768
	Brightness/ Color	300 cd/m^2, 16.2M colors
	Backlight	LED
Touch Panel	Type	Projected capacitive touch
Processor	CPU/ Chipset	Intel® Core™ i5-1245UE Intel® Core™ i3-1215UE
Memory		X 2 SO-DIMM socket supports up to 32GB
Storage		X 1 (M.2 SSD M-Key supports 2242 & 2280) NVMe PCI-e Gen3 X 4
		X 1 (M.2 SSD M-Key Supports 2242 & 2280) only SATA
I/O Connectors	USB 2.0	X 5 (Rear X 4, Side X 1)
	USB 3.2 Gen1	X 3 (Rear)
	USB Type-C 3.2 Gen1	X 1
	WIFI	X 1 E-Key (Supports WiFi & Bluetooth)
	Powered COM	X 3 (RJ45 Powered COM 5V/ 12V selected by BIOS)
	Powered USB 2.0	X 1 Powered USB 24V (Retain adapter 150W)
	Cash Drawer Port	X 1 (24V RJ11 cash drawer port)
	Audio Port — Speaker	X 1 (2W)
	Audio Port — Line Out	X 1
	LAN	X 1 (RJ45 10/ 100/ 1000 Base-T)
	DC In	Lockable 3-pin DC input
Optional Peripherals		VFD/ 2nd display 9.7" & 15"/ MSR/ iButton/ RFID/ Fingerprint/ 2D Scanner/ Printer Stand
Power Supply		90W/ Option 150W 19V lockable 3-pin power adapter
OS Support		Windows 10 IoT
Environment	Temperature — Operation	32° to 95° F (0° to 35° C)
	Temperature — Storage	-4° to 140° F (-20° to 60° C)
	Relative Humidity	20% to 80% non-condensing
Dimension (W x H x D) mm		347 x 221 x 334 mm
Certifications		CE/ FCC/ LVD
Protection		IP64 on front bezel

Specifications are subject to change without notice.
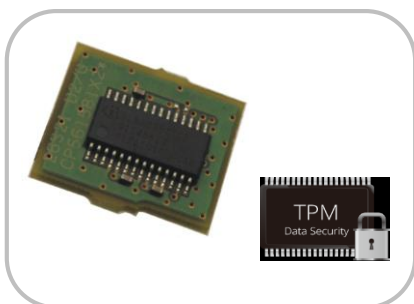
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CE FC RoHS COMPLIANT

15" solid aluminum die-casting rear cover with fanless design is powered by Intel® Celeron® Elkhart Lake J6412

Easy access M.2 SSD M-Key PCI-e Gen 3 x 4 NVME

PCI-E Gen3 x4 M.2 SSD with 4 times faster speed than SATA3

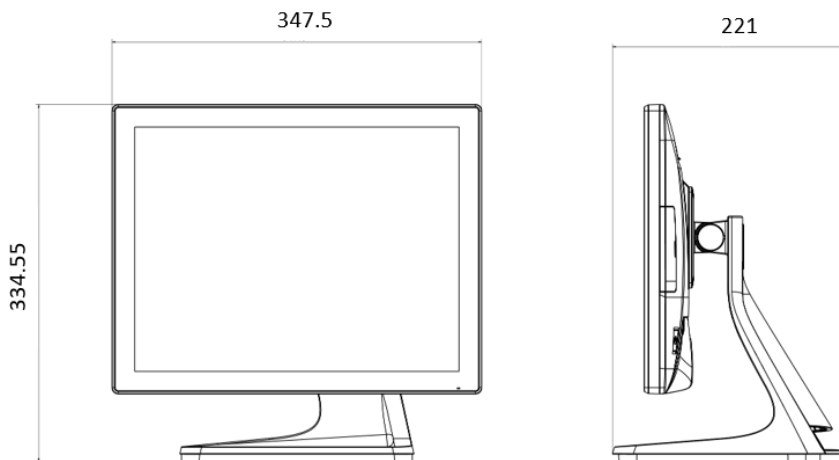Trusted Platform Module for data security

Optional VFD/ 2nd display 9.7" & 15"/ MSR/ iButton/ RFID/ Fingerprint/ 2D Scanner

Support Type C USB 3.2 Gen1

Mechanical Layout / Drawing

Unit: mm

347.5

334.55

221

I/O Interface

LAN1   USB 3.0   POWER USB 24V   Line Out

DC19V   COM1   COM2   COM3   C/D RJ11   TYPE-C USB   USB 3.0   USB 2.0   USB 2.0

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