

DS-450

Palm-sized DS Player and mini-PC



Introduction

Experience Excellence with DS-450: Discover the power of palm-sized innovation. Designed for narrow spaces, equipped with 2 HDMI ports, 6 USB slots, Multiple Function Port, and fortified by active cooling with a fan. Elevate possibilities in compact computing.

Specifications

		DS-450GB-U0A1E	DS-450GB-U1A1E	DS-450GF-U1A1E
Processor	Chipset	Intel Elkhart Lake, 4 Cores J6412, 2.0 Ghz		
	BIOS	AMI uEFI 256 Mbit		
Memory	Technology	LPDDR4 3733Mhz		
	Max. Capacity	4GB on Board	8GB on Board	8GB on Board
	Socket	On Board Memory		
CPU TDP		10W	10W	10W
Thermal Solution		Active cooling by fan (PWM 0~3500±10%RPM)		Fanless
Display	Graphics Engine	Intel UHD graphics		
	Output	1 x HDMI 2.0 (4K@60Hz), 1 x HDMI 1.4 (4K@30Hz)		
	HDMI Resolution	Max. 3840x2160 @60Hz		
Ethernet	Controller	10/100/1000 Mbps, Controller Realtek RTL8119I Gigabit LAN		
	Connector	2 x RJ-45		
I/O Interfaces	USB	2 x USB3.0 Gen2, 4 x USB2.0		
	Function Port (DB9)	2xRS232, Remote Power on/off, 2pin x GPIO		
	LED Indicators	1 x Power, 1 x HDD Access		
Storage	M.2	2242 M Key (SATA)		
WiFi & BT	M.2	2230 E Key		
Power Requirement	Power Management	ACPI 3.0		
	Input Voltage	19 V DC-in (ATX/AT mode)		
Watchdog Timer	Output	Interrupt, system reset		
	Interval	255-level timer interval, setup by software		
Physical Characteristics	Mounting	Wall Mount		
	Dimensions (W x D x H)	160 x 115 x 44 mm		
	Weight	0.7 kg		
Environment	Operating Temperature	0 ~ 45 °C (with 0.7m/s air flow)		
	Out Case Temperature	38.3°C Average surface temperature (@25 degree room temp in full loading w/o air flow)		
	Relative Humidity	95% @ 40 °C (non-condensing), operating		
Operating System	Operating System	Win10 x64		
	Linux	supported by project		
Certifications	EMC	CE/FCC Class B, BSMI, UKCA		
	Safety	UL, CB, BSMI		

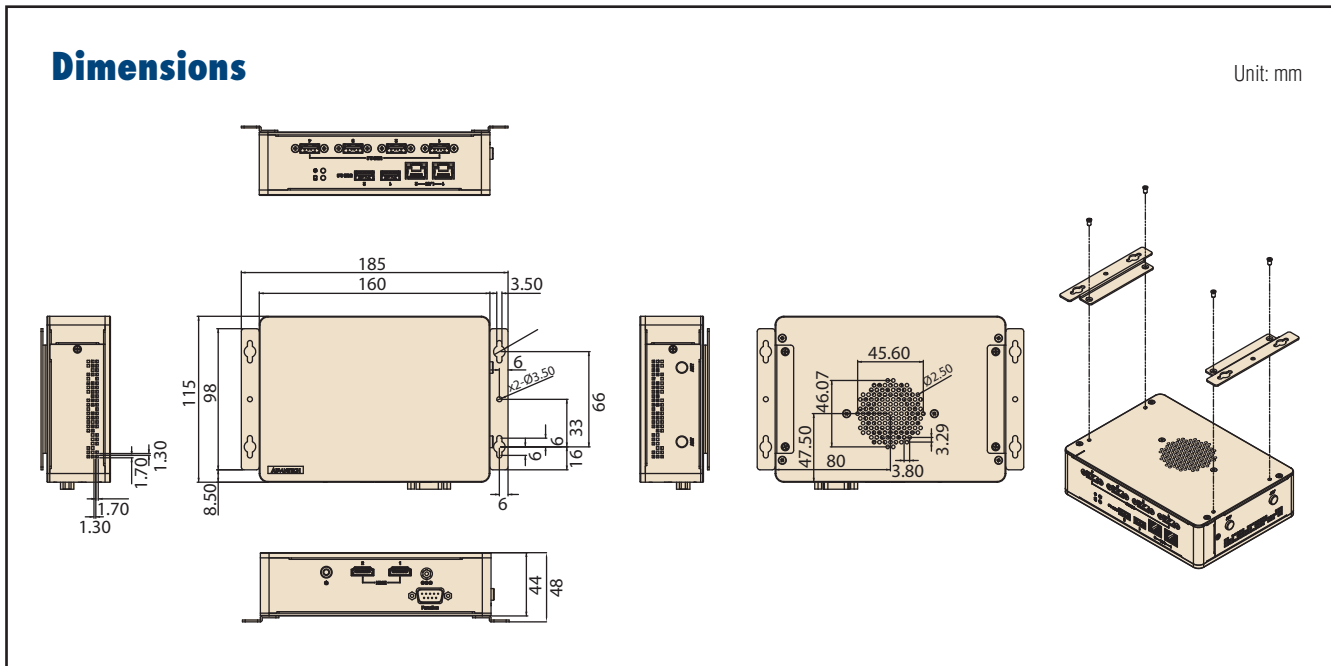
Features

- Power by New Intel Elkhart Lake J6412 CPU, 2.0GHz
- Palm-sized with active cooling by fan
- Support HDMI 2.0 (4K@60Hz) & HDMI 1.4 (4K@30Hz)
- 2 x Gb LAN, 2 x HDMI, 6 x USB, 1 x Function Port
- Power Off / Restart system easily through DeviceOn Dashboard
- Realtime and Smart System Alert Monitoring, and Watchdog Support

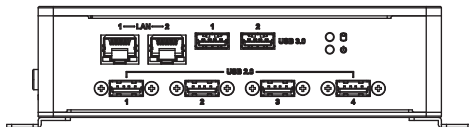
Trellix Acronis WISE-PaaS/SignageCMS WISE-DeviceOn

Dimensions

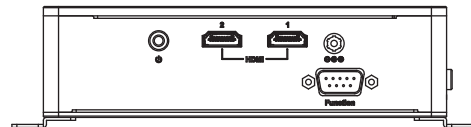
Unit: mm



Front View



Rear View



Ordering Information

Part Number	Description
DS-450GB-U0A1E	DS-450, J6412, 4GB LPDDR4, 6USB, Fan, Barebones
DS-450GB-U0A1U	DS-450, J6412, 4GB LPDDR4, 6USB, Fan, Barebones, TW
DS-450GB-U1A1E	DS-450, J6412, 8GB LPDDR4, 6USB, Fan, Barebones
DS-450GB-U1A1U	DS-450, J6412, 8GB LPDDR4, 6USB, Fan, Barebones, TW
DS-450GB-U1A2E	DS-450, J6412, 8GB LPDDR4, 2USB, w/o E key, Fan, Barebones
DS-450GB-U1A3E	DS-450, J6412, 8GB LPDDR4, 2USB, FAN, Barebones
DS-450GF-U0A1E	DS-450, J6412, 4GB LPDDR4, 2USB, w/o E key, Fanless, Barebones
DS-450GF-U1A1E	DS-450, J6412, 8GB LPDDR4, 6USB, 128GB, WIN10, Fanless
DS-450GF-U1A1U	DS-450, J6412, 8GB LPDDR4, 6USB, 128GB, WIN10, Fanless, TW
DS-450GF-U1A2E	DS-450, J6412, 8GB LPDDR4, 2USB, w/o E key, Fanless, Barebones
DS-450GF-U2A1E	DS-450, J6412, Fin, 4GB LPDDR4, 2USB, 64GB, Fanless

Storage

Part Number	Description
SQF-S4BV1-64GDSDC	Storage M.2 2242 SQ TLC 64G
SQF-S4BV1-128GDSDC	Storage M.2 2242 SQ TLC 128G
SQF-S4BV1-256GDSDC	Storage M.2 2242 SQ TLC 256G
SQF-S4BV2-512GDSDC	Storage M.2 2242 SQ TLC 512G

Embedded OS

Part Number	Description
20706WX1ES0065	Win 10 2021 EN, 64b Entry
20706WXE1S0007	Win11 IoT GAC EN, 64b Entry
20706WLE1S0000	Win11 IoT LTSC EN, 64b Entry

Packing List

Part Number	Description
-	1 x DS-450
96PSA-A65W19V1-3	1 x 19V Power adapter
-	2 x Mount bracket and 6 x screws

Power Cord

Part Number	Description
1700001524	3-pin power cord (US)
170203183C	3-pin power cord (EU)
170203180A-01	3-pin power cord (UK)
1700008921	3-pin power cord with PSE (Japan)
1700019146	3-pin power cord (CCC)
1700018553	3-pin power cord (AU)
1700024849-01	3-pin power cord (TW)

Optional Items

Part Number	Description
EWM-W179M201	Realtek RTL8852BE Wi-Fi6 + BT5.2, M.2 Key A/E