

# 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
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
	Socket	On Board Memory	
CPU TDP		10W	10W
Thermal Solution		Active cooling by fan (PWM 0~3500±10%RPM)	
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	

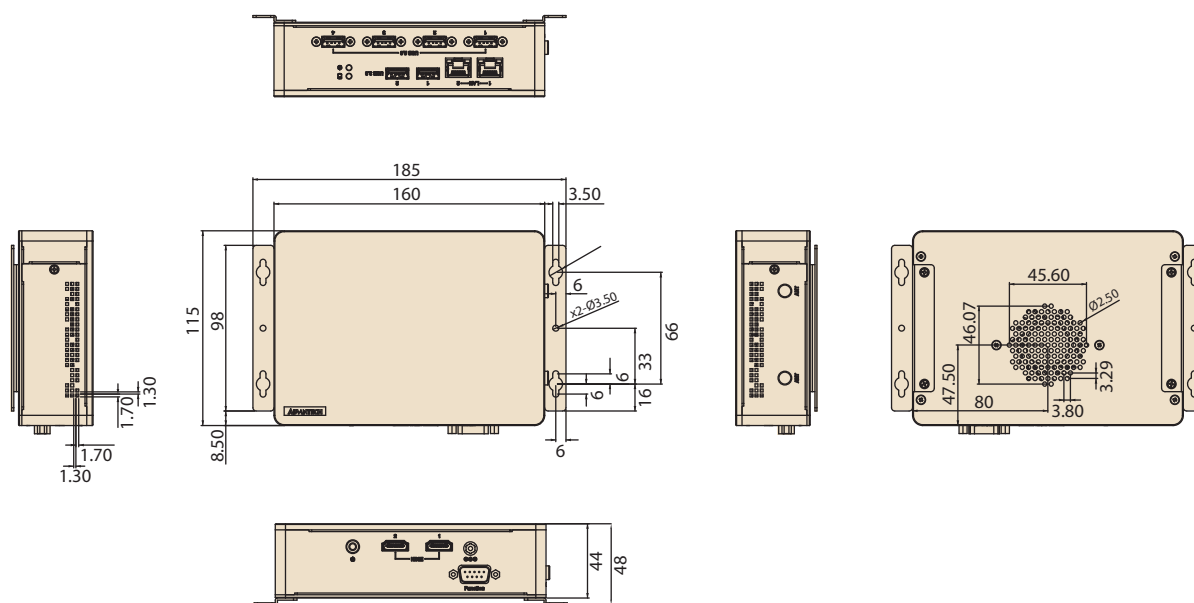
### Features

- 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

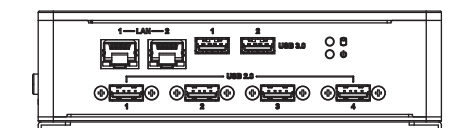
Trellix Acronis WISE-PaaS/SignageCMS WISE-DeviceOn

## Dimensions

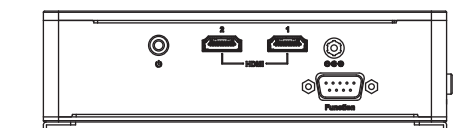
Unit: mm



## Front View



## Rear View



## Ordering Information

Part Number	Description
DS-450GB-U0A1E	DS-450, J6412, Barebones, 4GB LPDDR4
DS-450GB-U1A1E	DS-450, J6412, Barebones, 8GB LPDDR4
DS-450GB-U0A1U	DS-450, J6412, Barebones, 4GB LPDDR4, for US
DS-450GB-U1A1U	DS-450, J6412, Barebones, 8GB LPDDR4, for US

## 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

## Storage

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

## Embedded OS

Part Number	Description
20706WX1ES0065	Win 10 2021 EN, 64b Entry

## 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