

# ELIT-1270 Series

4K Multiple Display Controller with AMD Ryzen™ Embedded V series APU



ELIT-1270-1807F



ELIT-1270-1605 (fan-less)

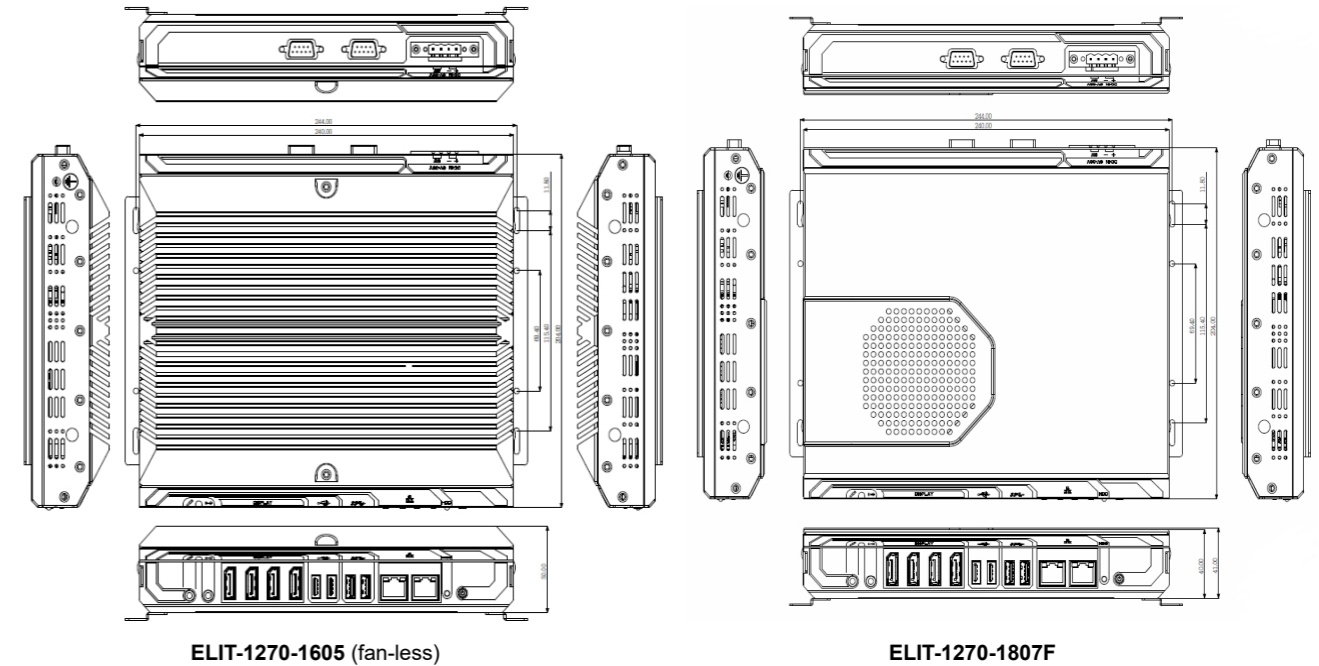
## Features

- AMD Ryzen™ Embedded V1000 series APU
- 2 x DDR4 SO-DIMM socket, dual channel, up to 2666 MHz
- Support 4 x DisplayPort 1.2, up to 4K (UHD) resolution
- Support 2 x USB 3.1 Gen1 and 2 x USB 2.0
- 1 x M.2 2242/ 2280 M-Key for storage
- 1 x mPCIe slot for connectivity expansion

Certification	CE/ FCC Class A
<b>Power Requirement</b>	
Power Input	DC 9~36V (4-pin terminal block)
Power Consumption	<b>ELIT-1270-1605 : 40W</b> <b>ELIT-1270-1807F : 65W</b>
<b>Storage</b>	
Type	1 x M.2 2242/ 2280 M-Key slot
<b>Mechanical</b>	
Construction	Aluminum alloy and sheet metal
Mounting	VESA-mount and Wall-mount
Weight (approx.)	2.98 kg (ELIT-1270-1605) 2.00 kg (ELIT-1270-1807F)
Dimensions (W x H x D)	240 x 204 x 50 mm (ELIT-1270-1605) 240 x 204 x 41 mm (ELIT-1270-1807F)
<b>OS Support</b>	
Windows®10 IoT 64-bit / Linux: Ubuntu (Kernel: 3.1X)	
<b>Ordering Information</b>	
<b>ELIT-1270-1605</b>	ELIT-1270 w/ AMD Ryzen V1605B, 4 x DP, 2 x GbE LAN, 4 x USB, 2 x COM w/o Fan
<b>ELIT-1270-1807F</b>	ELIT-1270 w/ AMD Ryzen V1807B, 4 x DP, 2 x GbE LAN, 4 x USB, 2 x COM w/ Fan

<b>System</b>	
CPU	AMD Ryzen™ Embedded V1000 series (SOC FP5) APU up to 54W TDP
Memory	2 x 260-pin DDR4 SO-DIMM socket. - Support 2400MHz SDRAM up to 32GB (V1605B) - Support 2666MHz SDRAM up to 32GB (V1807B)
Chipset	AMD integrated SOC
Graphics	AMD Radeon™ Vega X Graphics
Watchdog Timer	1~255 levels reset
<b>I/O</b>	
USB Port	2 x USB 2.0 2 x USB 3.1 Gen1
LAN	2 x RJ-45 port for Giga LAN
Serial Port	2 x RS 232/422/485 w/ DB9 connector
Video Port	4 x DisplayPort 1.2
Audio Port	1 x Line-out and 1 x Mic-in
Expansion Bus	1 x M.2 2242/ 2280 M-Key slot (PCIe x4 + SATA III) 1 x mPCIe slot (PCIe x1 + USB 2.0)
<b>Environmental</b>	
Operating Temp.	-10 ~ 50°C, ambient w/ air flow
Storage Temp.	-20 ~ 60°C
Operating Humidity	10-95% @ 50°C (non-condensing)
Vibration	5~500Hz 3 Grms X,Y, Z axis w/storage 10G peak acceleration (11 m sec. duration), operation
Shock & Crash	30G peak acceleration (11 m sec. duration), nonoperation
<b>Qualification</b>	

## Dimensions



ELIT-1270-1605 (fan-less)

ELIT-1270-1807F

## Standard Accessories

WMK-1973 Wall Mount Bracket for ARES-1973 /ELIT-1270 series



## Optional Accessories

64GB M.2 SSD M.2 M-Key , 2422, 64GB, SATA3.0



MM-4C-4G DDR4-2400/2133,4GB w/o Heatsink



MM-4C-8G DDR4-2400/2133,8GB w/o Heatsink



PAC-60W6A-FSP-ES 60W/ 12V AC/DC adapter kit with 2-pin/ 3-pin/ 4-pin blocks



PAC-120W6B-FSP-ES 120W/ 19V AC/DC adapter kit with 2-pin/ 3-pin/ 4-pin blocks



WiFi-AT4550 Atheros,QCNFA324 WiFi mPCIe module w/ 2\*30cm internal wiring



ANT-D11 1 x WiFi dual-band 2.4G/5G antenna

