

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

System	
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
I/O	
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)

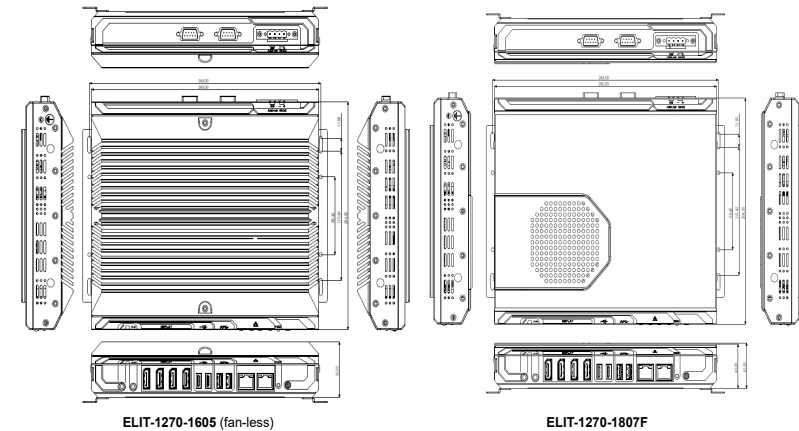
Environmental	
Operating Temp.	-10 ~ 50°C, ambient w/ air flow
Storage Temp.	-20 ~ 60°C
Operating Humidity	10-95% @ 50°C (non-condensing)
Vibration	5~500Hz 3 Grms X,Y, Z axis w/storage 10G peak acceleration (11 m sec. duration), operation
Shock & Crash	30G peak acceleration (11 m sec. duration), nonoperation

Qualification

Certification	CE/ FCC Class A
Power Requirement	
Power Input	DC 9~36V (4-pin terminal block)
Power Consumption	ELIT-1270-1605 : 40W ELIT-1270-1807F : 65W
Storage	
Type	1 x M.2 2242/ 2280 M-Key slot
Mechanical	
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)
OS Support	
Windows® 10 IoT 64-bit / Linux: Ubuntu (Kernel: 3.1X)	

Ordering Information	
ELIT-1270-1605	ELIT-1270 w/ AMD Ryzen V1605B, 4 x DP, 2 x GbE LAN, 4 x USB, 2 x COM w/o Fan
ELIT-1270-1807F	ELIT-1270 w/ AMD Ryzen V1807B, 4 x DP, 2 x GbE LAN, 4 x USB, 2 x COM w/ Fan

Dimensions



Standard Accessories

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

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