ABOX-5100

AMD Ryzen™ Embedded V1000 Processor w/ 8 x GbE/ 2 x COM/ 4 x DP/ 4 USB 3.0/ 9-48V Input AI GPU Computing

Features

- AMD Ryzen™ Embedded V1000 Platform
- Vega GPU with up to 11 Compute Units and 4 x DP 1.4
- 8 x GPI, 4 x GPO and 3 x RS-232/422/485
- Dual Hot Swappable SATA Storage
- 9-48V DC Input and Operating Temp.: -40~70°C
- 8 x GbE LAN (Optional for 8 x PoE)



Introduction

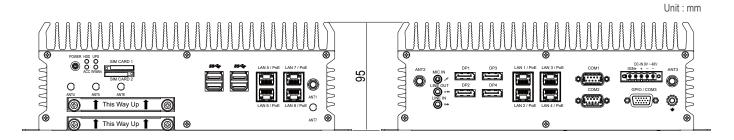
The ABOX-5100 is powered by AMD Ryzen Embedded V1000 Processor with 8 x GbE/ 2 x COM/ 4 x DP/ 4 x USB 3.0/ 9-48V Fanless Box Computer. ABOX-5100 provide the Dual Hot Swappable SATA Storage RAID 0,1,5, which provides more flexibility for hardware maintenance and expansion. These computers can be operated in extreme weather conditions (operating temperature: -40°C ~ 70 °C) and can be adapted to various industrial requirements such as Smart Patrol, Smart Factory Automation Control System, Surveillance System as well as Visual Management System such as Automatic License Plate Recognition, Mining Machines and Vision Control System.

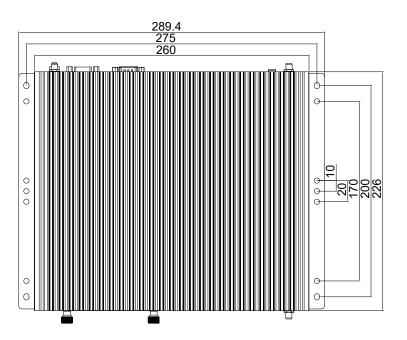
Specifications

System		
CPU	AMD Ryzen™ V1807B Quad Core Soc (3.3~3.6GHZ)	
Memory	2 x DDR4 2400 MHz SO-DIMM up to 32GB	
LAN Chipset	Intel i210AT x 2 to LAN Switch Marvell 88E6176-A1 x 2	
Watchdog	1 ~ 255 Level Reset	
TPM	2.0	
I/O		
Serial Port	3 x RS-232/422/485 (Optional Max 4 x RS-232/422/485)	
USB Port	4 x USB 3.0 Ports	
LAN	$8 \ x \ RJ45 \ GbE \ by 2 \ x \ Switch \ Design (MAC x 2), \ Optoinal \ PoE for the 8 Ports 100W max.$	
Video Port	4 x DP Ports	
DIO Port	8 x GPI and 4 x GPO	
Audio	1 x Line-out, 1 x Line-in and 1 x Mic-in	
Expansion Bus	3 x Full Mini-PCle Slots and 1x M.2 A-E Key 2230 slot (2 x SIM Card Sockets for 3G/LTE)	
Software		
Operating System	Win10 LTSC 1809, Ubuntu 18.04 64bit	
Graphics		
Graphics	AMD Next-generation Graphics Core and Multimedia Vega GPU with up to 11 Compute Units H.2651 (10-bit) Decode & (8-bit) Encode, VP9 Decode Up to 4x DisplayPort 1.4	
Resolution	Max Resolution (DP) : 4096x2304@60Hz	

/s airflow		
perating		
l,		
Storage		
Power Requirement		
onsumption.		
Mechanical		
-		

Dimensions







Please Scan The QR Code For More Information

Ordering Information

Part Number	ABOX-5100-V1807	
	ABOX-5100 P-V1807 (with PoE)	
Description	AMD Ryzen™ Embedded V1000 Processor w/ 8 GbE/2 COM/ 9-48V Input AI GPU Computing	
State of Origin	Made in Taiwan	

Optional Accessories

DRAM	SO-DIMM max.DDR4-2400,4GB~32GB,0~70°C/-40~85°C
SATA SSD	2.5inch MLC/TLC 64GB~1TB 0~70°C/-40~85°C
Wifi	M.2 802.3a/b/g/n/ac
Modem	LTE miniPCle card
GPS	GPS miniPCIe card
CANBUS	CANBUS miniPCle card
Battery backup kit	BAT-5200 kit, 5200mA/h, -30~60°C, discharge -20~60°C, operating about 10 mins.
Power adapter	AC/DC 220W/24Vor 280W/24V power adaper