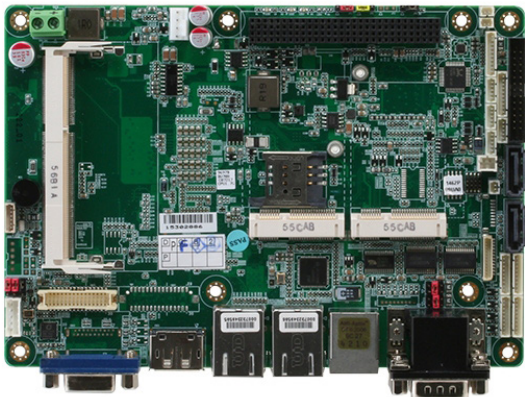


Embedded Single Board for OEM/ODM

ONYX EPIC-BDU7

EPIC Board with 5th Generation Intel® Core™ i Series ULT Processor SoC



Features

- Onboard 5th Generation Intel® Core™ i Series ULT Processor SoC
- DDR3L 1600 MHz SODIMM x 1, Up to 8 GB
- Gigabit Ethernet x 2, RJ-45 x 2
- VGA, LVDS, DP, LVDS (Optional), eDP (Optional)
- SATA 6.0 Gb/s x 2, mSATA/Mini-Card x 1 (Full Size)
- USB 3.2 Gen 1 x 2, USB 2.0 x 4
- RS-232 x 4, RS-232/422/485 x 2
- Optional Touch Screen, TPM and PCI-104
- Mini-Card x 1, SIM x 1
- 9-24V Operation
- 15W TDP
- SoC Solder Up Design



Specifications

System

Form Factor	4" EPIC Board
CPU	5th Generation Intel® Core™ i3/i5/i7 ULT Processor SoC
CPU Frequency	Up to 2.2 GHz
Chipset	5th Generation Intel® Core™ i3/i5/i7 ULT Processor SoC
Memory Type	DDR3L 1333/1600, SODIMM x 1
Memory Capacity	Up to 8 GB
BIOS	UEFI
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	+12V or 9-24V AT/ATX (default)
Power Supply Type	AT / ATX
Power Consumption	38.8W
Dimension (L x W)	4.53" x 6.5" (115 mm x 165 mm)
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MFTB (Hours)	63,000
Certification	CE / FCC

Display

VGA / LCD Controller	5th Generation Intel® Core™ i series ULT Processor SoC
Video Output	Triple independent Displays VGA, LVDS, DP, LVDS (Optional), eDP (Optional)
Backlight Inverter Supply	Max. 12V

I/O

Ethernet	Intel® WGI211AT x 1/ WGI218LM x 1, RJ-45 x 2
Audio	High Definition Audio Interface
USB Port	USB2.0 x 4, USB 3.2 Gen 1 x 2
Serial Port	COM: RS-232 x 4 COM2, COM3: RS-232/422/485 x 2 (Ring/+5V/+12V)
Parallel Port	SPP/EPP/ECP x 1
HDD Interface	SATA 3.0 x 2
FDD Interface	—
SSD	mSATA (Share with full-size Mini-Card by BIOS)
Expansion Slot	Mini Card x 1, SIM x 1, PCI-104 (Optional), 16-bit DIO or LPT, PS/2 x 1
DIO	16-bit
SIM	—
TPM	Optional
Touch	Optional