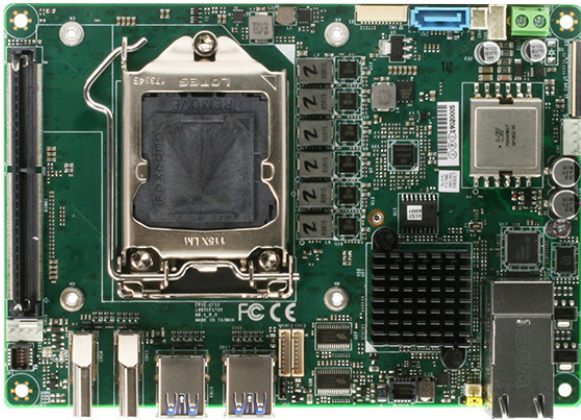


Embedded Single Board for OEM/ODM

ONYX EPIC-KBS7

EPIC Board with 6th/7th Generation Intel® Core™ i-S series Processor (Socket Type)



Features

- 6th/7th Generation Intel® Core™ i-S series Processor (Socket Type)
- 12V, 9-24V Wide Voltage, Non-ECC DDR4 SODIMM x 1 (Up to 16 GB)
- Basic VGA/HDMI/LVDS Display
- USB 3.2 Gen 1 x 4, USB 2.0 x 2, Good for Machine Vision
- mSATA/Mini-PCIe Full Size x 1
Default: mSATA, BOM change for H110
- mSATA/Mini-PCIe Full Size x 1
Default: mSATA, BIOS Selection for Q170
- HDA, SATA x 2, GPIO x 8, COM x 4



Specifications

System

Form Factor	4" EPIC Board
CPU	6th/7th Generation CPU (Socket Type, TDP 35W, 54W Only)
CPU Frequency	6th/7th Generation Intel® Core™ i3/i5/i7/Celeron®
Chipset	H110, Q170 (6W)
Memory Type	DDR4 (Non-ECC), 2133MHz
Memory Capacity	Up to 16 GB
BIOS	AMI
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	12V or 9-24V (Default)
Power Supply Type	AT / ATX
Power Consumption	50W@Full loading
Dimension (L x W)	4.53" x 6.50" (115mm x 165mm)
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)	110,000
Certification	CE / FCC

Display

VGA / LCD Controller	6th/7th Generation Intel® Core™ i3/i5/i7/Celeron®
Video Output	CRT/LVDS/HDMI
Backlight Inverter Supply	Max. 12V

I/O

Ethernet	LAN x 2 (Real IO) (i211 x 2)
Audio	ALC892, no Amp
USB Port	USB 3.2 Gen 1 x 4 (Real IO) USB2.0 x 2 (Internal)
Serial Port	COM x 4 (COM2: RS-232/422/485)
Parallel Port	—
HDD Interface	SATA 3.0 x 2, SATA Power (5V)
SSD	mSATA x 1 (optional for mini-Card)
Expansion Slot	Mini-card x 1, Micro SIM x 1 (Optional)
DIO	8-bit
SIM	—
TPM	—
Touch	—