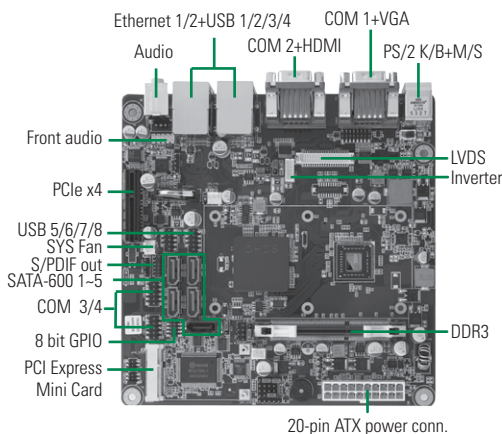


MANO120

Mini-ITX SBC with AMD G-Series APU, AMD A55E, HDMI/VGA/LVDS, Dual LANs and SATA-600

Features

- AMD G-Series APU T56N 1.65 GHz
- AMD A55E FCH
- 1 DDR3-1066/1333 SO-DIMM, up to 4GB
- 18 bit single channel LVDS
- VGA/HDMI/LVDS with dual-view supported
- PCIe x4 slot and PCI Express Mini Card
- SATA-600
- AT/ATX mode supported

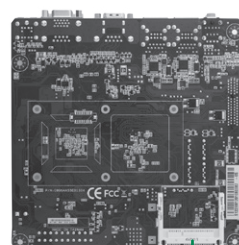


Core System

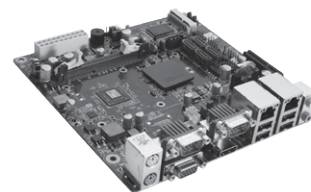
CPU	AMD G-Series APU T56N 1.65 GHz dual core onboard
System Memory	1 x 204-pin DDR3-1066/1333 SO-DIMM, up to 4GB
Chipset	AMD A55E
BIOS	AMI EFI 16Mb SPI
SSD	1 x CFast™
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	1 x PCIe x4 slot 1 x PCI Express Mini Card 1 x CFast™
Battery	Lithium 3 V/ 220 mAH
Power Requirements	+5V @ 1.65A, +12V @ 1.7A, -12V @ 0.06A, +5VSB @ 0.09A, +3.3V @ 0.41A
Size	170 x 170 mm
Board Thickness	1.6 mm
Temperature	0°C ~ +60°C (32°F ~ 140°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

I/O

MIO	1 x PS/2 keyboard & mouse 4 x RS-232 (with 2 powered COM)
SATA	5 x SATA-600
Hardware Monitoring	Detect CPU/system temperature, voltage and support Smart fan control
Ethernet	2 ports as 10/100/1000 Mbps support Wake-on-LAN, PXE Boot ROM with Realtek RTL8111DL
Audio	HD Codec audio as MIC-in/Line-out 2 CH support multiple streaming with Realtek ALC892 Speaker-out 3W x 2 with TPA3005D2 amplifier Front Audio pin header
USB	8 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control interface
Digital I/O	8 channels (4-IN & 4-OUT)



▲ Rear view CFast



▲ Side view

Display

Chipset	AMD Radeon™ HD6320 graphic engine
Memory Size	2GB
Display Interface	1 x HDMI 1 x VGA 1 x LVDS

Packing List

User's manual/utility CD, SATA cable and I/O bracket

Ordering Information

Standard	
MANO120VGA-RC with cooler (P/N: E38M120100)	Mini-ITX SBC with AMD G-Series APU T56N, A55E FCH, LVDS/HDMI/VGA, 2 GbE LANs, HD audio, 4 COM, 8 USB ports and CFast™