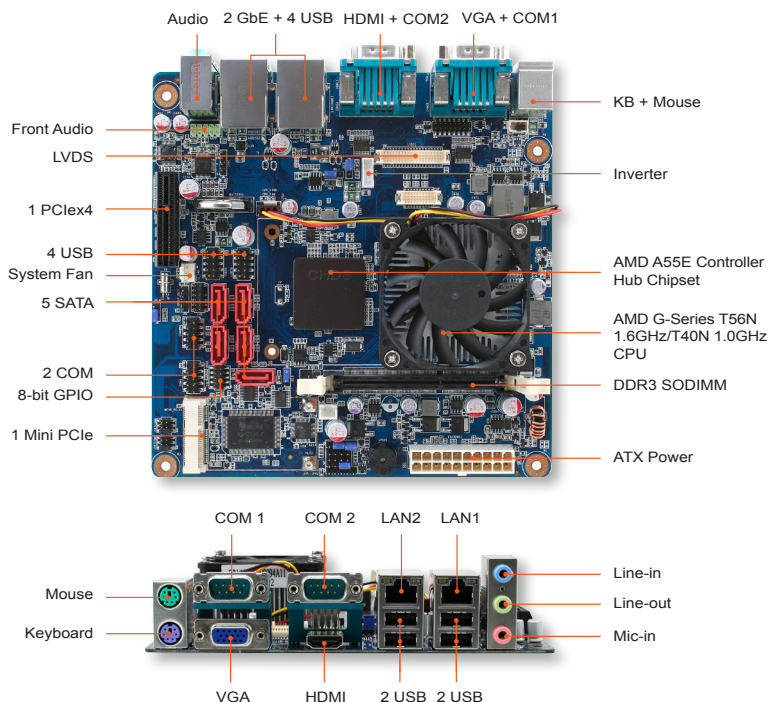




Features

- AMD G-Series T56N 1.6GHz/T40N 1.0GHz CPU
- AMD A55E Controller Hub Chipset
- One 204-pin SODIMM Socket Supports Up to 4GB DDR3 1066 SDRAM
- AMD Radeon HD 6320 Graphics (T56N)/AMD Radeon HD 6290 Graphics (T40N)
- Dual View, 18-bit Single-channel LVDS, HDMI, VGA
- Realtek ALC892 Supports 7.1-CH HD Audio
- Dual Realtek RTL8111DL Gigabit Ethernet
- 1 PCIe4, 1 Mini PCIe, 1 CFast
- 5 SATA 3.0, 4 COM, 8 USB, 8-bit GPIO
- RAID 0, 1, 5, 10



Specifications

System

CPU	AMD G-Series T56N 1.6GHz/T40N 1.0GHz
BIOS	AMI EFI 16Mb SPI
System Chipset	AMD A55E Controller Hub Chipset
I/O Chip	Winbond W83627DHG-P
System Memory	One 204-pin SODIMM Socket Supports Up to 4GB DDR3 1066 SDRAM
Watchdog Timer	Reset: 1 to 255 sec/min per step
H/W Status Monitor	Monitoring Temperature, Voltage and Cooling Fan Status. Auto Throttling Control when CPU Overheats.
Expansion	1 PCIe4 Gen.2, 1 Mini PCIe, 1 CFast
TPM	Onboard TPM 1.1/1.2 by Infineon SLB9635 (Optional)
Power State	Yes (S3/S4/S5)
SmartFan Control	Yes

I/O

MIO	4 COM RS-232, 5 SATA 3.0, 2 LAN, 1 HDMI, 1 VGA, 1 LVDS, 1 Inverter, 1 PS/2 Keyboard, 1 PS/2 Mouse
USB	8 USB 2.0 (4 Rear, 4 Internal)
GPIO	8-bit General Purpose I/O

Display

Chipset	AMD Radeon HD 6320 (T56N)/AMD Radeon HD 6290 (T40N)
Display Memory	Shared Memory, Up to 512MB
Dual Display	VGA + LVDS, VGA + HDMI, LVDS + HDMI
VGA	Onboard T56N (18W) Supports Up to 2560 x 1600 Onboard T40N (9W) Supports Up to 1920 x 1200
HDMI	Onboard, Supports HDMI 1.3a & 1080P Up to 1400 x 1050
LVDS	Onboard, 18-bit Single-channel LVDS
LVDS Backlight	Yes, PWM Control (Backlight Adjusted from AMD A55E Controller Hub)

Audio

Audio Codec	Realtek ALC892 Supports 7.1-CH HD Audio
Audio Interface	Line-in, Line-out, Mic-in, S/PDIF, Front Audio Header
Audio Amplifier	3W + 3W, TPA3005

Ethernet

Chipset	2 x Realtek RTL8111DL Gigabit Ethernet
Ethernet Interface	10/100/1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

Power Requirement	ATX
Power Type	AT/ATX Mode (Selectable by Jumper)
ACPI	Single Power ATX Support S0, S1, S3, S4, S5 ACPI 3.0 Compliant
Operating Temperature	0 ~ 60°C (32 ~ 140°F)
Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
Operating Humidity	0 ~ 90% Relative Humidity, Non-condensing
Size (L x W)	6.69" x 6.69" (170mm x 170mm)
Weight	1.03lbs (0.47Kg)

Ordering Information

EMX-A55E-T56N-A2R

AMD G-Series T56N 1.6GHz Mini ITX Motherboard with A55E Controller Hub Chipset

EMX-A55E-T40N-A2R

AMD G-Series T40N 1.0GHz Mini ITX Motherboard with A55E Controller Hub Chipset