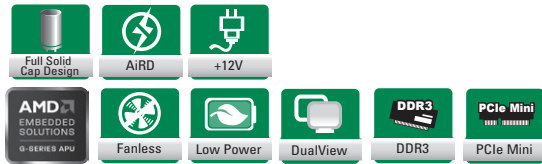


# PICO121

Pico ITX SBC with AMD Embedded G-Series SoC, VGA/LVDS, LAN and Audio

## Features

- AMD Embedded GX-210JA SoC (1.0 GHz)
- 1 DDR3/3L- 1066/1333 SO-DIMM, up to 8GB
- 4 USB 2.0 ports, 2 COM ports
- Half-size PCIe Mini Card and full-size PCIe Mini Card with mSATA
- DASH supported



## Core System

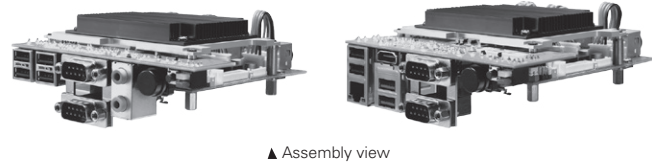
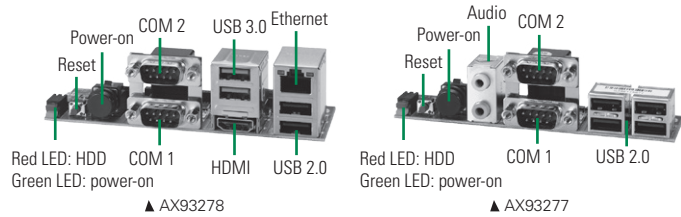
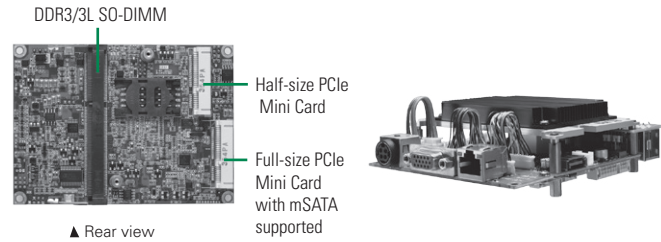
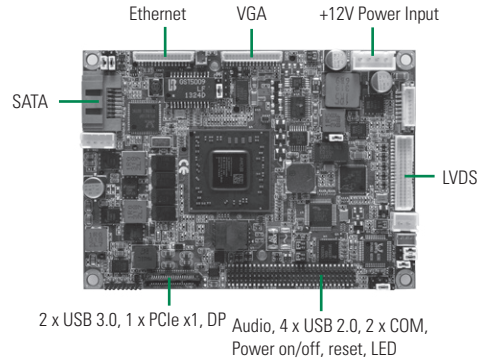
CPU	AMD Embedded GX-210JA SoC 1.0 GHz dual core onboard
System Memory	1 x 204-pin DDR3/3L-1066/1333 SO-DIMM, up to 8GB
Chipset	SoC integrated
BIOS	AMI
SSD	N/A
Watchdog Timer	255 levels, 1~255 sec.
Expansion Interface	1 x Full-size PCI Express Mini Card with mSATA 1 x Half-size PCI Express Mini Card 1 x PCIe x1, 1 x DP, 2 x USB 3.0 (through expansion connector)
Battery Lithium	Lithium 3V/220mAh
Power Input	1 x 4-pin connector +12V DC-in only AT Auto Power On function supported
Power Requirements	AMD G-Series Embedded SoC GX-210JA @1.0 GHz 8GB DDR3 Max. RMS: +12V @ 0.8A
Size	100 x 72 mm
Board Thickness	1.6 mm
Temperature	-20°C ~ +70°C (-4°F ~ 158°F), operation
Relative Humidity	10% ~ 95% relative humidity, non-condensing

## I/O

MIO	1 x RS-232/422/485 1 x RS-232
SATA	1 x SATA-600
Hardware Monitoring	Detect CPU/system temperature and voltage
Ethernet	1 port as 10/100/1000 Mbps supports Wake-on-LAN, PXE Boot ROM with Realtek RTL8111DP
Audio	HD Codec audio as MIC-in/Line-out with Realtek ALC662
USB	4 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital I/O	N/A

## Display

Chipset	AMD G-Series Embedded SoC integrated Gfx graphic engine GX-210JA - Radeon™ HD8180
Memory Size	AMD Radeon™ HD8180
Display Interface	1 x VGA 1 x LVDS; 18/24-bit single/dual channel



## Packing List

### Standard

Quick installation guide, User's Manual/Utility CD and accessories

### Accessories

Part Number	Description
85932771000E	AX93277 I/O board
85932671000E	AX93267 I/O board
59403208000E	SATA cable
594P8800600E	SATA power cable
5078H121010E	Heatspreader
5078H100200E	Heatsink

## Ordering Information

### Standard

PICO121VGA-GX210JA (P/N: E38H121101)	Pico-ITX SBC with AMD embedded GX-210JA SoC 1.0 GHz, VGA/LVDS, GbE LAN, audio and 4 USB 2.0
--------------------------------------	---

### Optional

I/O board	RS-232/422/485	RS-232	USB 2.0	USB 3.0	Display	2nd LAN
AX93278 (P/N:E393278100)	1	1	2	2	HDMI	Yes