

MINIX™
MINI-ITX MOTHERBOARD



890GX-USB3



Chipset	Northbridge: AMD 890GX Southbridge: AMD SB850
Processor	Socket AM3 for AMD Phenom™ III/ Athlon™ III/ Sempron™-100 series processors Support up to max. 95W TDP processors Support AMD Cool'n'Quiet!™ Technology
HyperTransport™	HyperTransport™ 3.0, 5200 MT/s
Memory	128-bit Dual-channel memory architecture 2 x SODIMM slots supporting up to 8GB of system memory Support for DDR3 1333/1066/800 MHz memory modules (dependent on processor)
Integrated Memory	128MB high-speed DDR3 sideport memory
Onboard Graphics	Built in Radeon™ HD 4290 Graphics, UVD 2.0, DirectX® 10.1 Ready
Expansion Slots	1 x PCIe x16 Gen. 2 slot supporting ATI Hybrid Crossfire™ Technology (running @ x16) 1 x mini-PCIe slot
Audio	Realtek ALC889/892 8-Channel HD Audio Codec with Content Protection
LAN	2 x Broadcom 57788 PCI-Express Gigabit Ethernet Controllers
Internal I/O Connectors	1 x 20-pin ATX power connector 1 x 4-pin ATX 12V power connector 4 x SATA 6Gb/s connectors (Support RAID 0,1,5,10) 1 x CPU fan connector (4-pin PWM) 2 x System fan connectors (1 x 4-pin PWM, 1 x 3-pin) 1 x Front panel header 1 x Front audio header 1 x COM port header 2 x USB 2.0 header for additional 4 USB 2.0 ports (by cables) 1 x Speaker header 1 x S/PDIF In/Out header
Rear Panel I/O	2 x USB 3.0 ports (Powered by NEC D720200F1 chip) 1 x HDMI port 1 x Dual Link DVI-D port 1 x D-Sub VGA port 4 x USB 2.0 ports 2 x RJ-45 GigaLAN ports 5 x Audio ports 1 x Optical S/PDIF Out port
I/O Controller	Fintek F71808E chip
Form Factor	Mini-ITX 170 x 170 mm
BIOS	16 Mbit flash ROM, licensed AMI BIOS

Designed for AMD socket AM3 Processors

Dual Channel DDR3 1,333MHz memory

SATA 6Gbps, RAID 0/1/5/10 by SB850

NEC USB 3.0 controller

Dual Broadcom Gigabit Ethernet

PCI-Express x16 Gen. 2 slot

Mini PCI-Express slot

HDMI, DVI, VGA outputs

100% Solid Capacitors

