

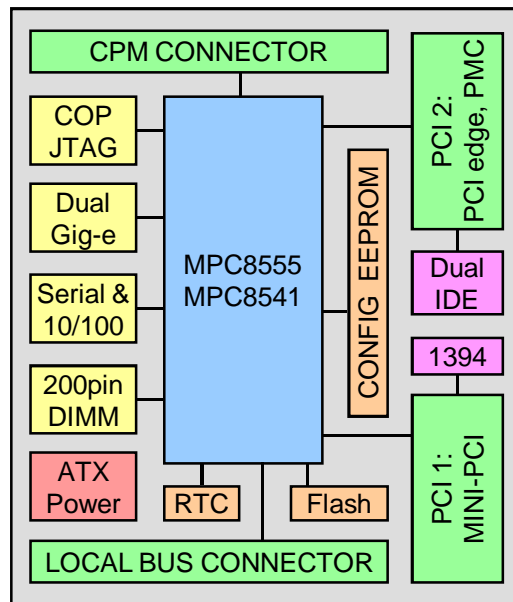
GP3SSA

MPC85xx PowerQUICC® III Network Security

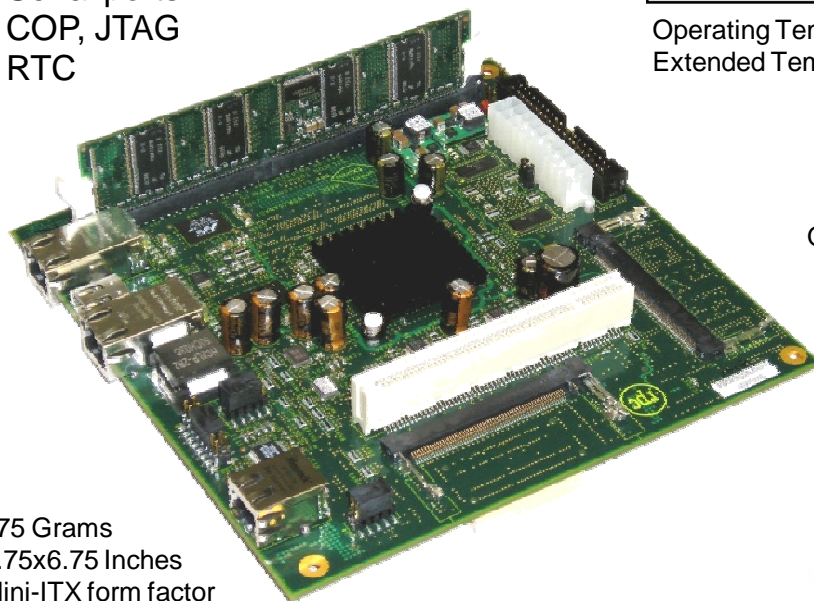
GP3SSA, a mini-ITX main board built on Power Architecture® technology, with integral cryptographic accelerator and high-speed Ethernet is ideal for network security applications.

Features:

- Freescale's MPC85xx PowerQUICC III Processor
- 800 MHz up to 1.5 GHz
- Dual Mini-PCI slots
 - 1 on each bus for QoS
- PMC slot expansion
- Card-edge PCI slot
- Local Bus
- Dual Gigabit Ethernet (TSEC)
- High density DDR RAM module
- FLASH (boot) up to 32 MB
- IEEE® 1394 Firewire port
- IDE/Controller
- Serial ports
- COP, JTAG
- RTC



Operating Temp. Range = 0° to 40°C
Extended Temp. Range Available



375 Grams
6.75x6.75 Inches
Mini-ITX form factor
Power ATX, ITX or DC

Software Tools and IDEs:

- Linux Opensource
www.Denx.de
- QNX Neutrino (Momentics IDE)
www.QNX.com
- Wind River Workbench Tools
Call for info
- Security Software
Call for info



Available from stock, 1 piece price is USD\$995
Contact info@silicontkx.com to order or for quantity discounts

How to Use an STx Embedded Main Board:

1. Start early Software Development
2. Purchase GP3SSA reference boards
3. Prototype with GP3SSA (& PCI Cards if needed)
4. Have STx silkscreen a low cost off-the- shelf case
5. STx can produce several high quality prototypes
6. STx can handle your production, or
7. Engage STx for custom hardware, or
8. Use STx while you design your own hardware (STx will bid very competitively on your EMS work.)
9. STx saves you money, time to market, fixed cost infrastructure and management effort!



STx has an FPGA and other daughter cards available to mate with the GP3SSA, as well other accessories (Large DRAM modules, Riser Cards, 200W Power Supplies, IO Cards, HDD, FLASH, Cables, and various ITX Case options) are available from STx.

Why the GP3SSA is superior to an x86 main board:

X86 Architecture	GP3SSA Advantages
<ul style="list-style-type: none"> • ATX is too large, 9.6” square or 9.6” x 12” 	<ul style="list-style-type: none"> • Size is small 6.75” square
<ul style="list-style-type: none"> • High heat with fan, a point of possible failure 	<ul style="list-style-type: none"> • PPC is low power, fan less, silent
<ul style="list-style-type: none"> • Cannot use consumer quality products for embedded systems 	<ul style="list-style-type: none"> • Reliability is five 9’s, industrial temperature and ruggedized offered
<ul style="list-style-type: none"> • Inconsistent parts and circuit boards 	<ul style="list-style-type: none"> • 10 year life cycle or more for boards/parts
<ul style="list-style-type: none"> • BIOS to abstract legacy “rats-nest” firmware 	<ul style="list-style-type: none"> • Open Uboot- no bios, no hidden APIs
<ul style="list-style-type: none"> • All IO is bussed or bridged-packet latency is random 	<ul style="list-style-type: none"> • Line rate secure, stateful & deterministic, (QoS) packet handling

See these and other STx Products at www.silicontkx.com

Ask us to Integrate your whole system!

Main Board + Accessories + Power Supply + Case + Software + Testing + Silk Screen

Contact

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