Medallion Classic CPU Modules

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1 Background

Techsol practically invented the **Computer-On-Module** (COM) back in 2001. Since then, we've set the **benchmark** for **small form-factor computers** with:

- First small computer with **USB Host ports** (HY7201)
- First Linux port for **Hynix GMS30c7201 ARM processor**
- First small computer with **VGA (RGB) outputs** (HY7201)
- First Linux drivers for M-Systems's **DiskOnChip** on ARM HW (2002)
- First Linux drivers for **TransDimension's USB Host controllers** (2002)
- World's **smallest PC** (4" x 4" x 1") (2002)
- First to use Linux drivers for **Philips ISP1761** High-Speed USB Host Controller on ARM architecture (2005)
- First Handheld with **High-Speed USB Host ports** (SA2410 2005)
- **The world's only small computer with *10 "drop-in" compatible versions over 8 years!***

See why Techsol's **Medallion CPU Modules** have been chosen as the "brains" of products ranging from Automotive Accessories, to Medical Life-Support Devices, to Industrial Controls, to ultra-low-power rugged handheld computers.

2 Technical Notes

The **CPU module** connects to the **I/O board** through a pair of **120-contact** connectors. These are mounted on **either side** of the module and require **substantial force** to loosen. This provides more **reliable physical support** for the CPU module than with competing schemes using a **single connector** (typically a SODIMM memory connector).

In addition, Techsol's **Medallion CPU Modules** have many **more signals** available, including a full **32-bit wide bus** with **64 MB** of address-space per chip-select, giving **greater expansion capability** along with **more built-in features**, making them the **best buy** of **Computer-On-Module** devices. Even so, they are also the **smallest** of any devices that feature a **full expansion bus**!

You can **design** the **I/O board** or we can (see the **"Services"** tab above). We can also provide **cost-effective production** for you.