

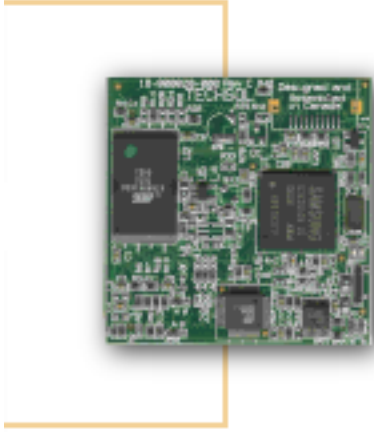
# Techsol Services

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## 1 Your Semi-Custom Medallion-based Product

Your Applications Software		<p><b>“Your Embedded Computer Experts”</b>  <b>1 888 832 4765</b></p> 
Techsol's Medallion Software		
Techsol's Medallion Hardware		
Your Hardware		
Custom Software, Commercial/Proprietary Software, Free/Libre & Open-Source Software, C/C++/Java/Perl/Python/sh (Bourne shell)/bash, etc.		
Languages:	ARM Assembly, C, C++, Java, Perl, Python, sh (Bourne shell)/bash, etc.	
GUIs:	Linux framebuffer (FB), X Window System (X11, Xorg using fbdev), FLTK, GTK+, PyGTK, WxWidgets, QtEmbedded, ...	
Comms:	TCP/IP, IrDA, USB Mass Storage, etc.	
Data:	MySQL, MariaDB, PostgreSQL, SQLite, Derby, any Open-Source database	
OS:	ARM7: Linux 2.4.x, <b>ARM9: Linux 2.6.x/3.x</b>	
Drivers:	For all the Medallion Hardware	
CPUs:	ARM7, <b>ARM9</b> , Cortex-A8, i.MX, OMAP	
Graphics:	STN, CSTN, <b>TFT LCDs</b> (up to 18-bit data), OLEDs, <b>Touch screens</b>	
Comms:	Serial (RS232, RS422, RS485), Ethernet (including <b>Power over</b>	

Your Applications Software	
Techsol's Medallion Software	
Techsol's Medallion Hardware	
Your Hardware	
	<b>Ethernet (PoE)</b> , IrDA, <b>USB Host</b> and Device, I <sup>2</sup> C, SPI, ...
Data Flash:	DiskOnChip (16 MB to 64 MB) or <b>NAND flash (128 MB to 2 GB)</b>
Boot Flash:	Medallion boot loaders, debugger in 2 MB of NOR flash
Other:	Stereo audio in/out, on-board reset controller, regulators, RTC, WDT, etc.
A PCB in the shape you want, with connectors where you want them, and power supply (very simple) that you can design yourself or we can design for you!	

Table 1: Your Semi-Custom Medallion-based Product

Our [software](#) comes pre-configured for your platform, along with any desired third-party IP (such as Java) when you purchase our hardware. All licensing and royalty costs are included in the product cost. You can develop your own applications software using one of our [development kits](#) or we can develop it for you!

We can offer this level of product-design acceleration to our customers because of the tight integration of hardware and software in our platform's design.

## 2 Service Selections

We design and manufacture custom and “semi-custom” products quickly and efficiently (AKA for minimal cash outlay!)

With a broad depth of commercial, industrial, medical, security, and consumer product designs under our belt, you get the advantages of a team that can compete internationally in all these areas working for you!

- Do you need to create a new product?

- Or just update an existing product?
- Do you need to update your product so it can connect to the Internet?
- Do you need to update your display to a (color) LCD screen? With Touch?
- Do you want to design your own PCBs and just plug in the most advanced computer module?
- Or do you want a fresh product that is fully-featured, robust, low-cost and leading-edge?
- Would you like that product manufactured to your specs as well?
- And would you like the finished, tested products drop-shipped to your customers?

We do all of the above.

And we can do any combination of the above if you want to do the other parts yourself.

And we will adapt our services to meet your needs!

For more information on our services, select from these options:

- If you need a low- to medium-volume product designed, or if you need working protos to show your boss/partners, then consider our [low-cost, semi-custom design services](#).
- If you need a high-volume product, or if you must minimize product costs, even at the expense of greater engineering costs, then consider our [fully-custom design services](#).
- If you also need cost-effective production of your products, then consider our [production services](#).
- Finally, if you also want to outsource your product shipping, please consider our [shipping services](#).

As you have probably figured out, Techsol is a full-service product company.

We are also possibly the only full-service company in North America that works from the lowest-level, assembly-language boot code for the processor up to complete product design, including antennae, batteries, chargers, displays, plastics, and offers production services too! We have decades of experience designing, deploying, and supporting leading-edge, embedded devices across multiple continents.

Consequently, we don't just design for today's needs — we consider your product's entire life cycle and your total project costs, from concept to decommissioning.

This “Big Picture” view distinguishes us.