

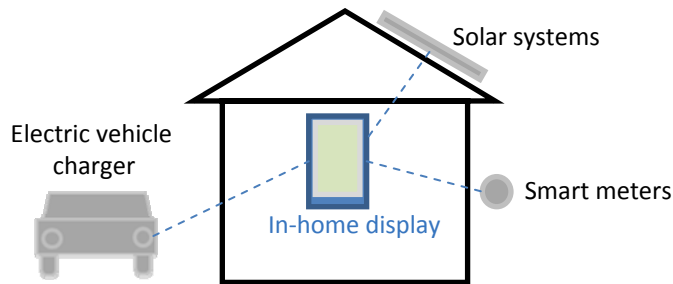
Express LCD

Very Low Cost Wireless Information Display Platform

For In-Home Display applications

Easy to use information display

The Express LCD wireless In-Home Display platform is designed so smart energy equipment manufacturers can easily supply a simple, low cost method for displaying essential system information. Typically, the display communicates with equipment in remote locations or with complex devices lacking a “customer-friendly” user interface. The Express LCD uses proven segmented LCD technology which greatly reduces the platform cost while providing a “technology friendly” product that is easy to deploy and support.



Wireless design puts information where you want it

Because the Express LCD platform is wireless, users can place their display right where they want it, including high visibility locations like the refrigerator door. The display is always on and can deliver visual or audible system alerts.

Complements smart phone apps and web portals

The key to dedicated information displays is simplicity. Typically there are a few data items or system settings you *always* want to display. The Express LCD's point to point wireless communications provides this information without requiring internet or cellular access. Smart phone and web based applications are far better suited for complex, intermittent tasks like system configuration and reviewing performance data.

Low development and deployment cost for better ROI

The Express LCD was designed from the ground up to provide easy installation, simple operation and, above all, low manufacturing cost. These factors, plus low NRE costs, will help you justify developing a dedicated information display, even for low volume applications.



Platform features



Wireless

- 2.4 GHz or any ISM band radio
- ZigBee™ SE and HA Profiles, ANT+ or proprietary protocol stack
- 100' plus interior range
- High level API's for easy system integration

Display

- Segmented LCD with up to 112 addressable segments and icons
- Display area: 65 x 52 mm (3.28" diagonal)

Alerts

- Blinking LCD segments
- LED's
- Audible alarms

Power

- Runs on 2 user replaceable AAA batteries
- 6-12 month battery life

Industrial Design

- Low cost two piece ABS plastic body
- Magnetic or table top mounting
- Dimensions 108 x 72 x 13 (mm)

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Platform sharing reduces design cost and development time

Talon's Express LCD can easily be configured for specific applications. Platform sharing means you start off with a tested wireless display platform. The customization effort focuses on:

- Coordinating wireless communications and messaging with your equipment
- Defining LCD and user controls
- Look and feel items (colors, logos....)

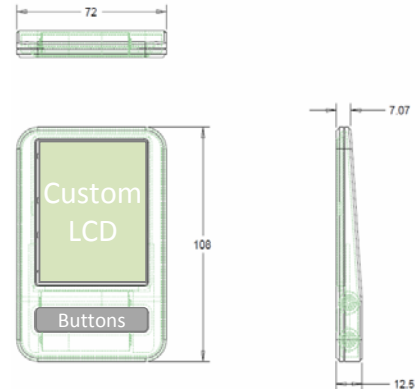
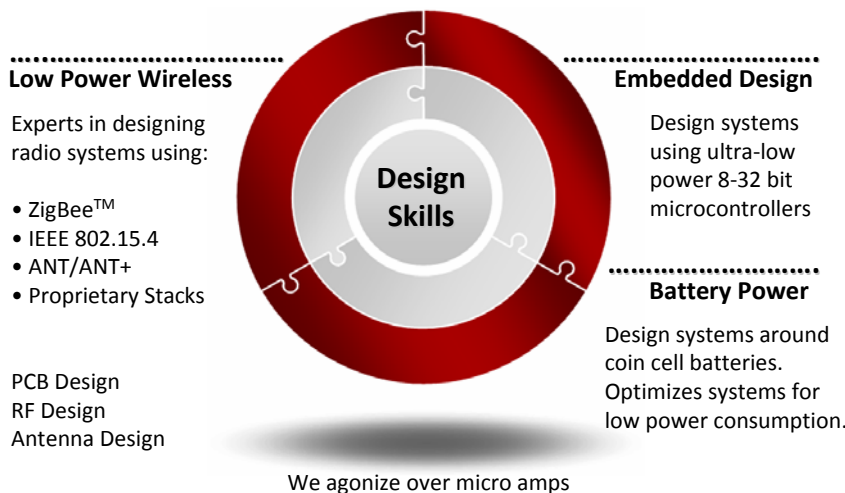
Working prototypes in 12-16 weeks

Platform sharing greatly reduces development time. Fully functional prototypes are typically delivered in under 16 weeks.

About Talon Communications

Talon Communications is a San Diego, CA based product development firm specializing in low power radio systems for the consumer and medical sectors. We are experts at designing battery powered products using ZigBee™, 802.15.4, ANT+ and proprietary protocols.

Talon can easily modify or extend the display platform for meeting specific requirements. We can change radios, displays, user interface controls or physical packaging, based on your unique needs.



Business model

The Express LCD platform is the starting point for developing a turn-key display product. Talon performs the development work under a firm fixed price contract. Detailed system integration requiring a custom wireless protocol or a ZigBee™ message cluster may be performed on a time and materials basis.

At the end of the project, the customer is provided with the all design files needed for taking the display into production, including source code, BOM, schematics and CAD drawings. Talon may also provide volume manufacturing and distribution.

For more information about the Express LCD platform and development options, please contact Stuart Creed, Director of Business Development.

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