



LUMINARY MICRO®



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Luminary Micro is pleased to have received an Editor's Choice Award for our Intelligent Display Module (IDM). Customers tell us that they love using our Stellaris Graphics Library to quickly build Ethernet-enabled human interfaces for applications from security systems to home/building automation to factory controllers. They also appreciate having the choice to buy modules from us or to modify the open-tooled design for their end application requirements.

When we built the first IDM, we wanted to show how a consumer QVGA touch display and Power over Ethernet (PoE) capability could be combined with one of our Stellaris MCUs with integrated 10/100 Ethernet MAC+PHY to provide a flexible human interface platform. Given the popularity of the reference design kit, the module, and downloads of the open-tooled design from our website, it appears that we met our goal. We have since added a version without PoE and will soon be introducing another version with a larger display. — Luminary Micro

Displaying what OEMs want

I've said this before: Unless you're an expert, designing with LCD modules can be a pain. Every LCD module seems to be different, with different interfaces and different software. It can be hard for an instrument vendor wanting to add a display to do so when project schedules are tight. Three companies are trying to make that job easier for OEMs with modules and software.

A 2.8" LCD with a resistive touch screen is powered by an ARM Cortex-M3 in the Luminary Micro Ethernet-enabled Intelligent Display Module. This unit has a couple of twists – it supports Power over Ethernet (PoE) or 24 V DC input, an SD card to expand storage, and four analog inputs. Connectivity via serial or Ethernet and a set of graphics and peripheral driver libraries for the Stellaris LM3S6918 microcontroller make it easy to get started quickly.

Model: Intelligent Display Module

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