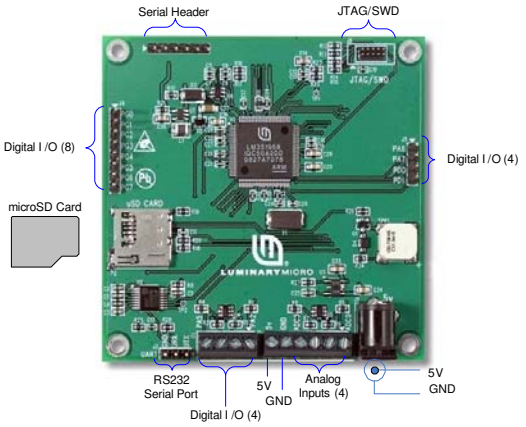
Stellaris® Intelligent Display Module with 3.5” Landscape Display

The Stellaris® Intelligent Display Module with 3.5" Landscape Display (MDL-IDM-L35) offers a complete QVGA touch-screen user interface for control, automation, and instrumentation applications. The MDL-IDM-L35 features several serial, digital, and analog connectivity options for easy implementation as a Human Machine Interface (HMI) touch display panel in an embedded control device. Software development for the RDK-IDM-L35 is simplified by using the comprehensive Stellaris graphics library and ARM development tools from ARM tools partners.

Stellaris® IDMs are the first display modules available with the efficient performance and robust integration of an ARM® Cortex™-M3 microcontroller, positioning the modules for use in building access controllers and security systems, intelligent white goods and home appliances, thin clients, and factory automation applications.

Features



The MDL-IDM-L35 ships as a software-customizable module with the following features:

- Bright QVGA LCD touch-screen display
  - 262 K colors, 3.5" QVGA 320 x 240 pixels
  - White LED backlight with resistive touch panel
- Serial connectivity options
  - RS232 serial port with RS232 signal levels
  - UART serial port with TTL signal levels
- High performance microcontroller and large memory
  - 32-bit ARM® Cortex™-M3 core
  - 256 KB main flash memory, 64 KB SRAM
  - microSD card slot
- Power supply
  - 5 V power supply with DC regulator that generates 3.3 V for powering the board
- Easy to customize
  - Includes full source code, example applications, and design files
  - Develop using tools supporting the IDM-L35 from Keil, IAR, Code Sourcery, and Code Red (using a Stellaris evaluation kit or preferred ARM Cortex-M3 debugger)
  - Supported by Stellaris Graphics Library and StellarisWare® Peripheral Driver Library

Reference Design Kit



In addition to being offered as a stand-alone, ready-for-production module (MDL-IDM-L35), the Stellaris® IDM-L35 is also offered as a complete open-tool reference design kit (RDK-IDM-L35). The RDK ships with everything needed to quickly evaluate the IDM-L35 including:

- Stellaris® Intelligent QVGA 3.5” Touch Panel Module (MDL-IDM-L35) with metal standoffs
- USB to TTL serial cable to simultaneously power the board and connect to the LM3S1958 Stellaris microcontroller via UART0
- JTAG debug adapter for 10-pin fine-pitch connection to a standard 20-pin connector
- Quickstart Guide, User’s Manual, Software Reference Manual, Board Data Sheet, source code, BOM, schematics, and Gerber files on CD

Ordering Information

Product Number	Description
MDL-IDM-L35	Stellaris® Intelligent Display Module with 3.5" Landscape Display for Single-Unit Packaging
MDL-IDM-L35-B	Stellaris® Intelligent Display Module with 3.5" Landscape Display for Volume Packaging
RDK-IDM-L35	Stellaris® Intelligent Display Module with 3.5" Landscape Display Reference Design Kit (RDK)

Texas Instruments • 108 Wild Basin, Suite 350 • Austin, TX 78746
Main: +1-512-279-8800 • Fax: +1-512-279-8879 • http://www.luminarymicro.com

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