

Touch Display Computer / Panel PC

Model: DL-DM1560x



- ◆ Appliances & Vending
- ◆ Industrial Control
- ◆ Marine & Trucking
- ◆ Laboratory Equipment
- ◆ Food Processing
- ◆ Healthcare & Medical
- ◆ Harsh Environment

The most comprehensive all-in-one Touch Display Computer solution on the market

Our Touch Display Computers / Panel PCs are slim attractive all-in-one human interface solution ready for use in your application. They are designed for rapid implementation into industrial equipment, appliances, vending machines, marine, trucking, healthcare and are suitable for indoor, outdoor and harsh environments. DLOGIC Touch Display Computers integrates a color display, a projected capacitive touch sensor and an embedded computer into a stainless-steel housing with an aluminium frame creating a solid rugged assembly protecting the sensitive parts. They come with many standard interfaces and are configured with Linux ready for loading and running your applications. Our Touch Display Computer provide a cost effective and fast track to equip your product with state of the art touch-based user interfaces and enhanced embedded computing power.

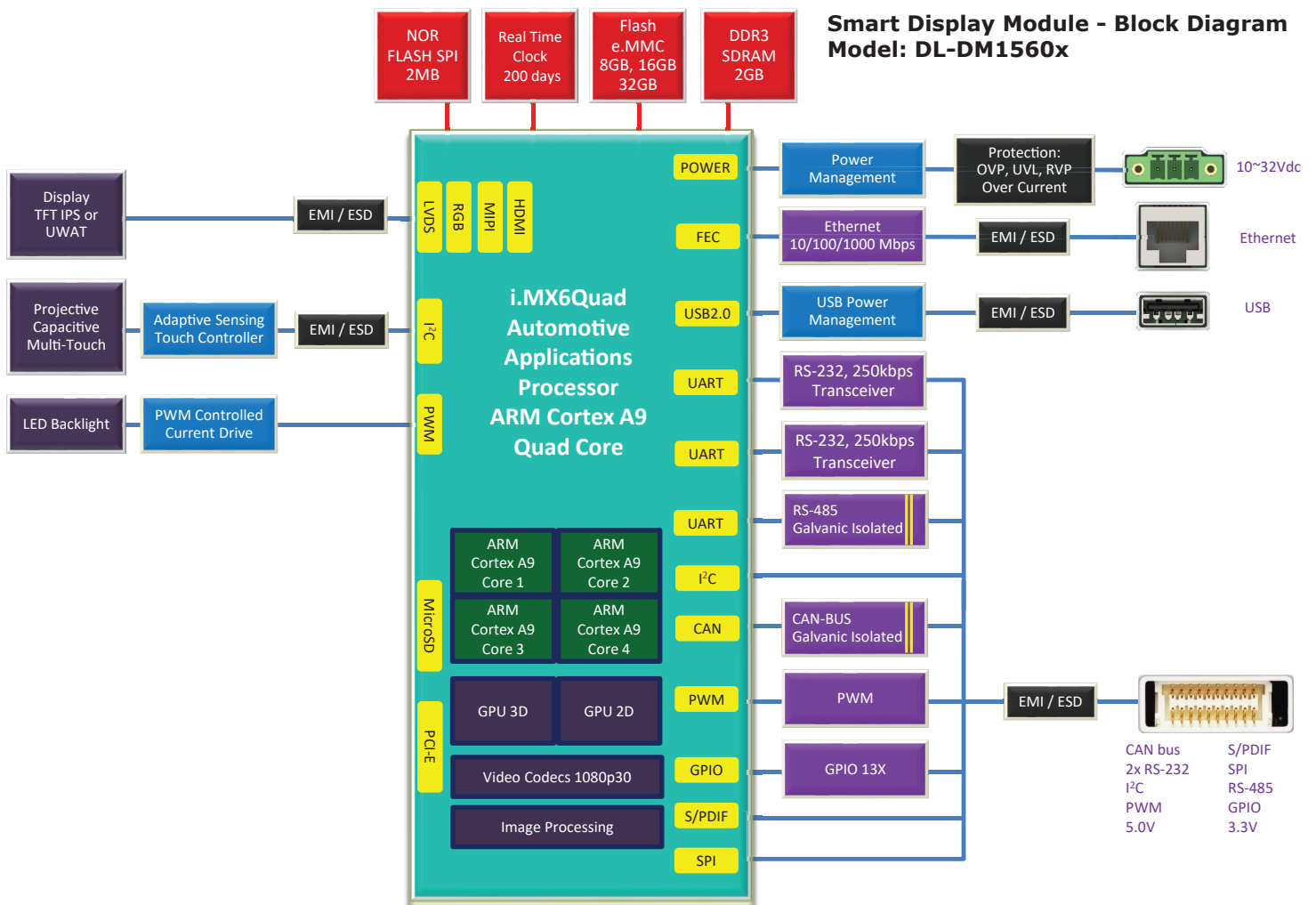
- Fast time to market.
- Simple integration.
- Low development risk.
- Guaranteed > 7 years supply.



Key Features

- Touch Display Computers ready for integration into your product.
- IPS TFT LCD display with high brightness LED backlight.
- Optically bonded projected capacitive multi-touch screen.
- Slim metal housing with a range of high reliability standard interfaces.
- Software Board Support Package, HTML5, JAVA, QT, 2D, 3D Graphics and Video Playback.
- Tailored mechanical mounting and integration solutions.
- Simple addition of custom interface extensions.
- Optional optically bonded 4mm safety glass solutions.
- Supported by a highly skilled engineering team.

101934 DL-DM1560x
Touch Display Computer



DL-DM1560x

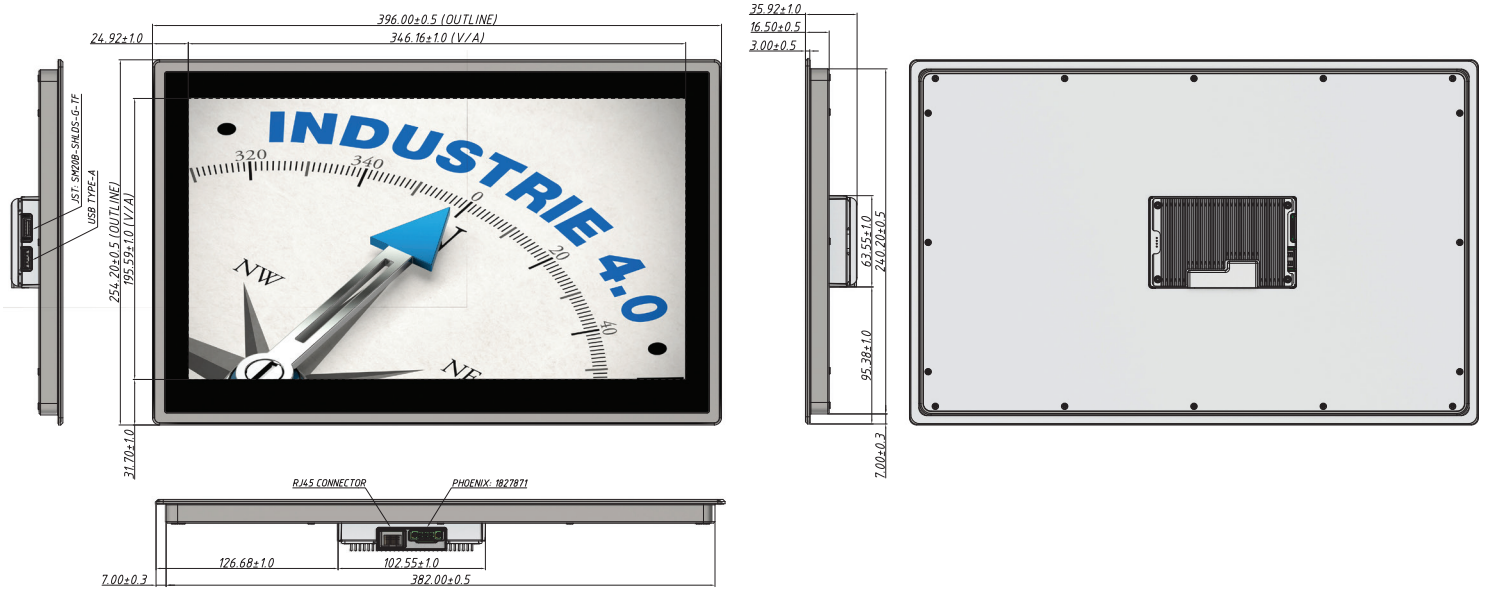
- 15.6" IPS TFT LCD 1920x1080, LED backlight
 - Brightness (incl. touch): 550 cd/m²
 - Ultra-wide viewing angle
- Projected Capacitive Touchscreen
 - Multi-touch
 - Moisture Water Compensation
 - Glove Support
- Optically bonded display & touch screen
- NXP / Freescale Automotive i.MX6Q Quad Core Cortex A9
- 2GB DDR3L SDRAM (Industrial)
- 8GB e.MMC (Industrial)
- 2MB NOR Flash (Industrial)
- Battery backed real time clock (200 days)
- Interfaces
 - Gigabit Ethernet, USB, 2x RS-232, I²C
 - Galvanically isolated CAN-BUS, PWM, GPIO
- Aluminium Mounting Frame
- Stainless steel protective housing
- **Options**
- Hardware
 - Galvanically Isolated RS-485, microSD Card, SPI
 - Memory: 16/32/64GB e.MMC
- Mechanics
 - Safety Glass 4mm optically bonded



• Standard Software Features and Tools

- Fully functional board support package (BSP)
 - Debian Linux including access to all standard packages
 - QT5 (QML / C++), HTML5 Web Clients, Mono & VNC Clients
 - CODESYS target visualizer
 - GPU & VPU hardware video encoding/decoding
 - Drivers for all interfaces
- Ready to go Debian Linux virtual machine (VM) application development environment
 - Cross compile tools
 - QT5 with Integrated Development Environment
 - Demo applications with source code

101875 DL-DM1010x Touch Display Computer Dimension Drawing



Industrial



Automotive



CODESYS



Display Size	
Size	15.6 inch
Type	LCD TFT, Ultra-wide viewing
Mode	IPS, Transmissive
Resolution	1280 x 800 pixels, WXGA
Backlight	550 cd/m ² (incl. touch screen)
Colors	24-bit RGB
Orientation	Landscape and Portrait mode
Touch Screen	
Type	Projected Capacitive Touch PCT
Touch	Multitouch (Water, Glove support)
CPU	
Type	NXP / Freescale i.MX6Q Quad-Cortex A9
Clock/Frequency	1GHz (Automotive Grade)
Memory	
SDRAM	2 GB DDR3 (Automotive)
FLASH	8 GB e.MMC (Industrial) [Option:16 GB, 32 GB]
SPI NOR Boot FLASH	2 MB (Industrial, 20 years data retention)
MicroSD	SDHC [HW Option]
Features	
Real Time Clock	Battery backed Real Time Clock (min. 200 days)
Interfaces	
Network	1x 10/100/1000 MBit/s Ethernet
Asynchronous Serial Interfaces	2x RS-232
Synchronous Serial Interface	1x I ² C (400 Kbit/s) [Configurable]
USB	1x USB 2.0 Hi-Speed OTG
CAN	1x CAN 2.0B Galvanic Isolated
SPI	1x SPI [HW Option]
PWM	1x PWM, 12-bit, 125kHz [Configurable]
RS-485	1x RS-485 Galvanic Isolated [HW Option]
GPIOs	Up to 13x GPIOs [Configurable]
Digital Audio	1x S/PDIF Out
Software	
Linux	Debian [access to all std packages]
Application Environment	QT5, HTML5, JAVA, CODESYS, Graphics, Video
Mechanical	
Mounting	Aluminium Frame [Option: All Glass front] [Option: VESA mount, Panel or Rear Mount]
Optical Bonding	Display and Touch Panel optically bonded
Electronics Housing material	Stainless steel
Cover Glass	1.1mm Chemically Strengthened Glass [Option: 4mm Safety Glass UL751]
Power	
Supply & Consumption	12V, 2.0A, 24W [10Vdc ~ 32Vdc]
Environmental Conditions	
Storage Temp	-40 ~ +90°C
Operating Temp	-30 ~ +85°C
Relative Humidity	95 % (non condensating)
Device Dimensions	
Height x Width x Depth	396 x 254.2 x 35.92 mm
Weight (g)	1500g

Get a custom DLOGIC Touch Display Computer



101867 DL-DM1010x-IO Touch Display Computer
2x Ethernet, 2x RS-232/RS485, 4x USB, Speaker, microSD

Our Touch Display Computer hardware and software is optimized for quick adaptation and customization to specific product requirements. To get started we recommend you purchase one of our standard development kits which are available in all sizes and, provide all of the 'out of the box' hardware and software tools required to get your development going within hours, not weeks and months! Our in-house engineering team provides all the support necessary for your team during the entire engineering process.

If one of our standard Touch Display Computers will not do, our engineering team is at your service to provide customized solutions tailored for your application needs. Typical customizations include special housing and mounting solutions, display and touch panel alterations, additional external interfaces, software board support enhancements and software application development including graphical user interface (GUI) design.

When engineering is completed we manufacture and assemble your Touch Display Computer to your product requirements within our manufacturing facilities.

We provide cost efficient high-quality manufacturing services and support during the entire product lifecycle. Our factory is specialized in industrial and robotics product manufacturing and is certified for ISO9001, QS9000, ISO14000, ISO14001, OHSAS18000, UL, TUV and TS16949-1/2.

Order Information

Part No.	Description
101934	DEV KIT TOUCH DISPLAY COMPUTER DL-DM1560x, ALU FRAME, IPS 15.6" 500cd/m ² , OPTICAL-BONDING, CAP TOUCH, FRONT MOUNT
101877	TOUCH DISPLAY COMPUTER DL-DM1560x, ALU FRAME, IPS 15.6" 500cd/m ² , OPTICAL-BONDING, CAP TOUCH, FRONT MOUNT
102301	TOUCH DISPLAY COMPUTER DL-DM1560x-SGF, ALU FRAME, IPS 15.6" 500cd/m ² , OPTICAL-BONDING, CAP TOUCH, SAFETY GLASS FRONT MOUNT
102302	TOUCH DISPLAY COMPUTER DL-DM1560x-SGR, ALU FRAME, IPS 15.6" 500cd/m ² , OPTICAL-BONDING, CAP TOUCH, SAFETY GLASS REAR MOUNT
102303	TOUCH DISPLAY COMPUTER DL-DM1560x-AGF, ALL GLASS FRONT, IPS 15.6" 500cd/m ² , OPTICAL-BONDING, CAP TOUCH FRONT MOUNT

For further information:

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