

Touch Display Computer / Panel PC

Model: DL-DM700i

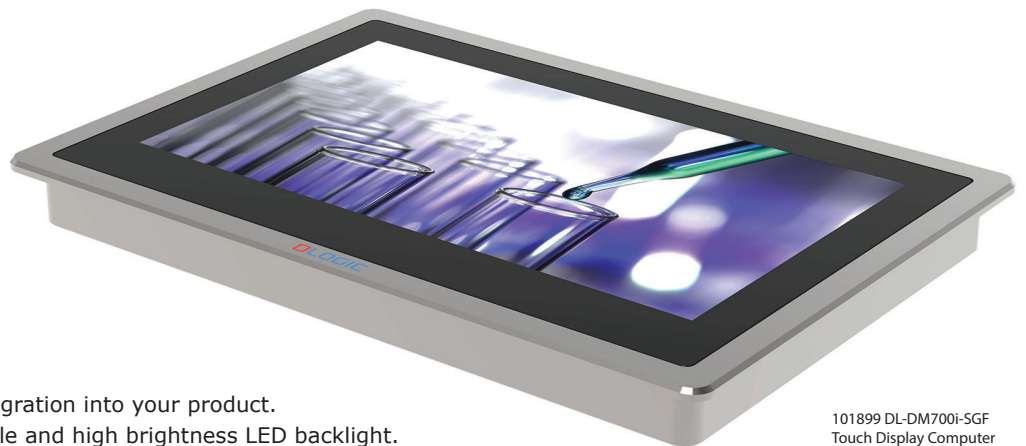


- ◆ Appliances & Vending
- ◆ Industrial Control
- ◆ Marine & Trucking
- ◆ Laboratory Equipment
- ◆ Food Processing
- ◆ Healthcare & Medical
- ◆ Harsh Environment

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.

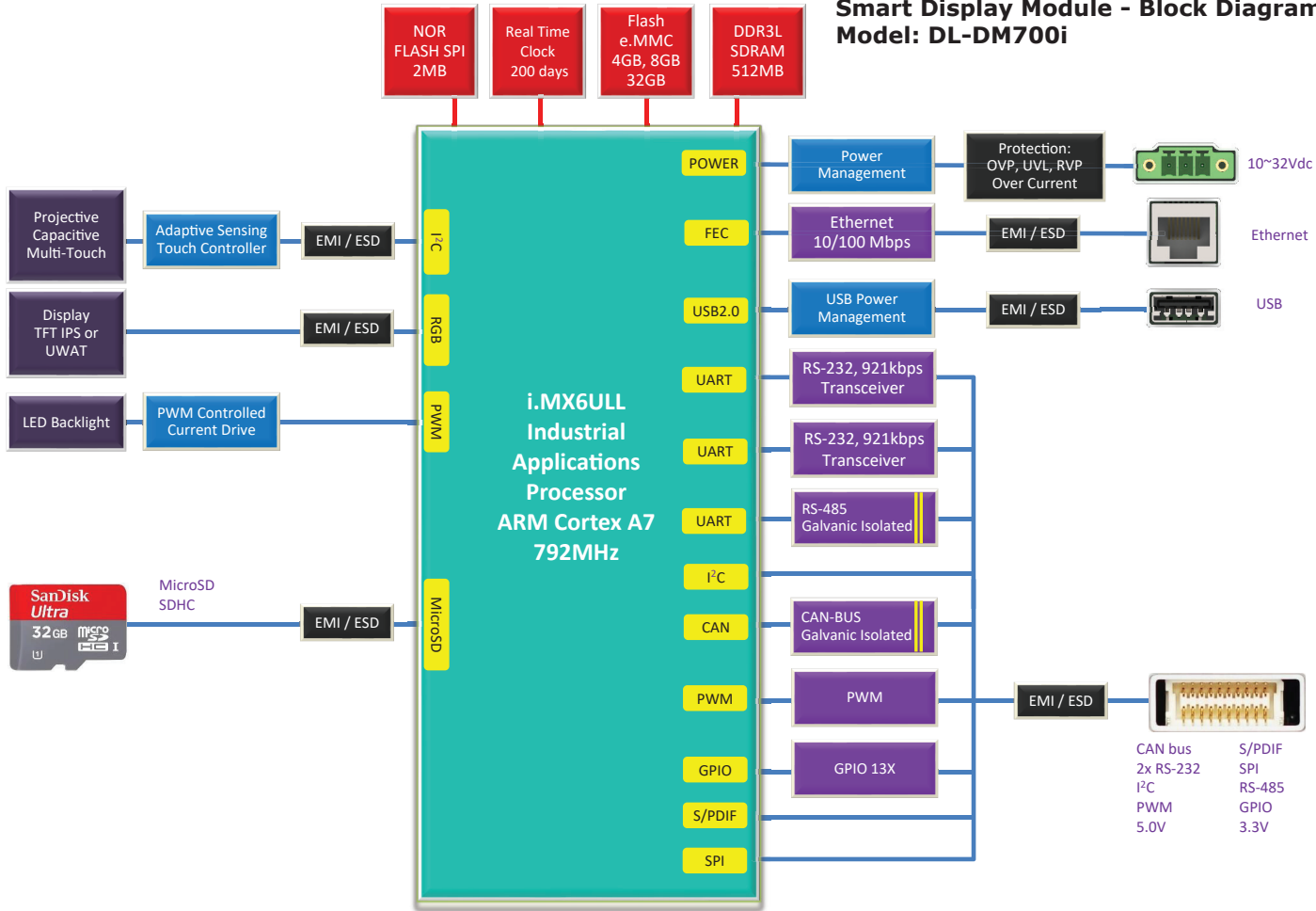


101899 DL-DM700i-SGF
Touch Display Computer

Key Features

- Touch Display Computers ready for integration into your product.
- TFT LCD display ultra-wide viewing angle and 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.
- 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.

Smart Display Module - Block Diagram Model: DL-DM700i



DL-DM700i

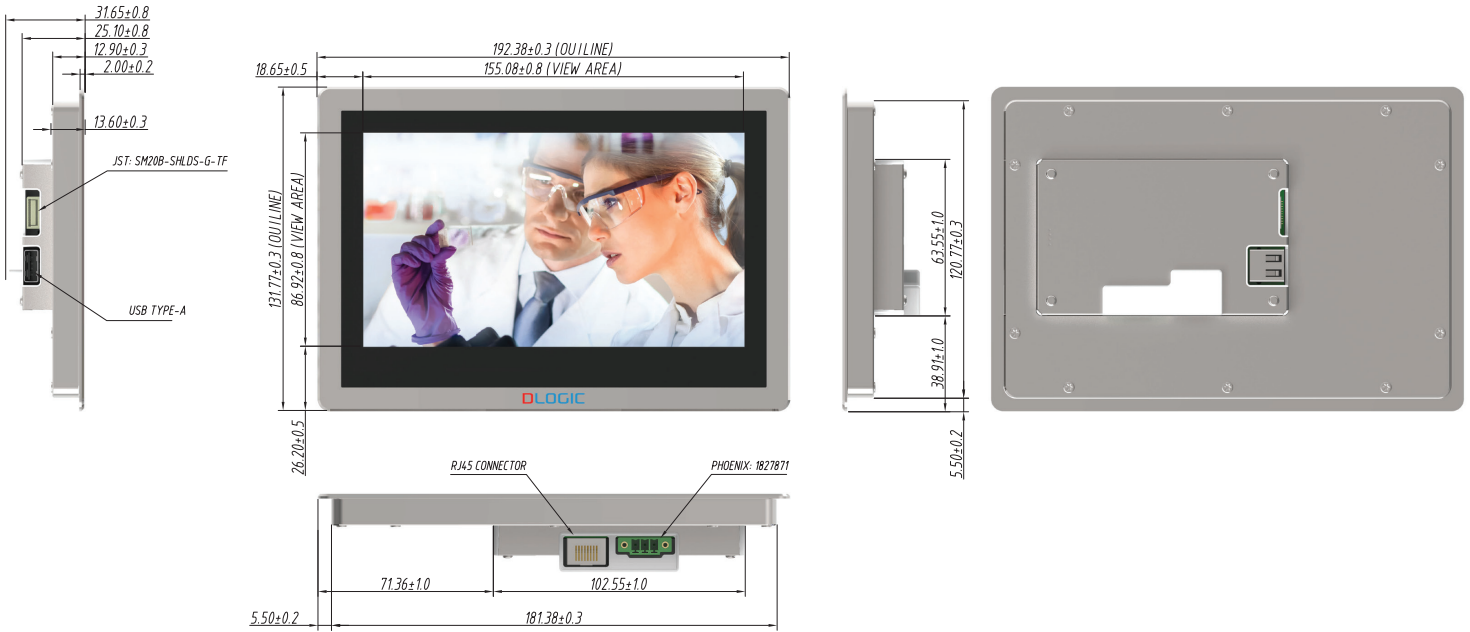
- 7.0" TFT LCD 800x480, LED backlight
 - Brightness (incl. touch): 550 cd/m²
 - Ultra-wide viewing angle
- Projected Capacitive Touchscreen
 - Multi-touch
 - Moisture Water Compensation
 - Glove Support
- NXP / Freescale Industrial i.MX6ULL Cortex A7
- 1GB DDR3L SDRAM (Industrial)
- 4GB e.MMC (Industrial)
- 2MB NOR Flash (Industrial)
- Battery backed real time clock (200 days)
- Interfaces
 - 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, uSD Card, SPI
 - Memory: 8 or 32GB e.MMC
- Mechanics
 - Stainless Steel Frame (S31600)
 - Safety Glass 4mm optically bonded



• Standard Software Features and Tools

- Fully functional board support package (BSP)
 - Debian Linux including access to all standard packages
 - HTML5, JAVA, QT5 GUI application development
 - 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

101895 DL-DM700i Touch Display Computer Dimension Drawing



Industrial

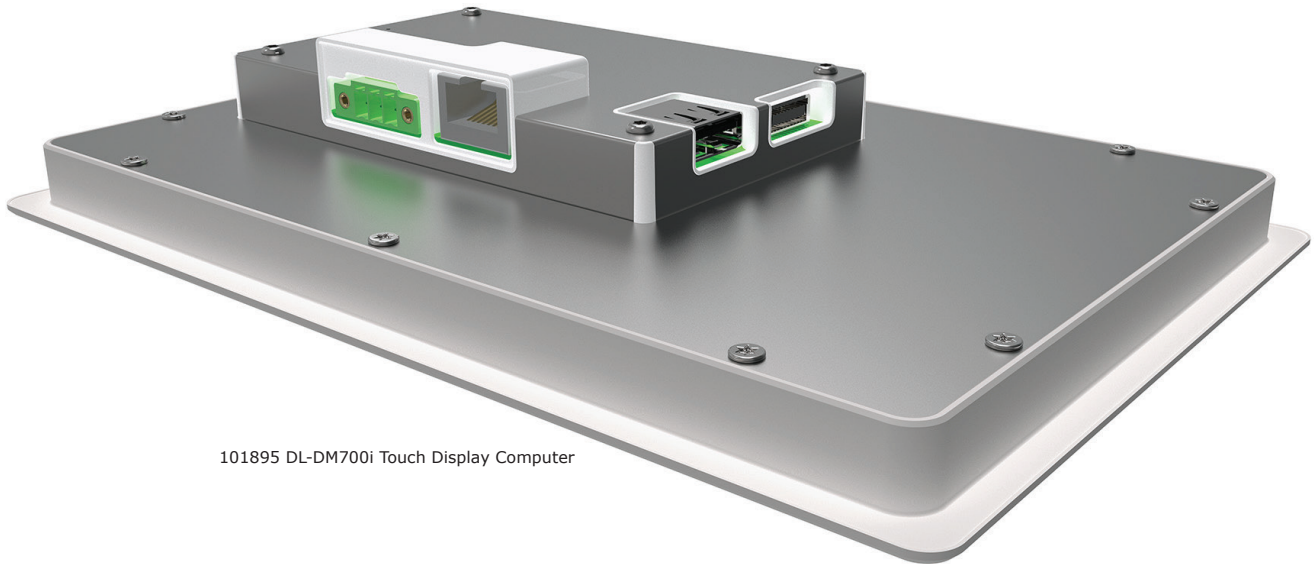


Automotive



| Display Size | |
|--------------------------------|---|
| Size | 7.0 inch |
| Type | LCD TFT, Ultra-wide viewing |
| Mode | Transmissive |
| Resolution | 800 x 480 pixels, WVGA |
| 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.MX6ULL Cortex A7 |
| Clock/Frequency | 792 MHz (Industrial Grade) |
| Memory | |
| SDRAM | 512 MB DDR3 (Industrial) |
| FLASH | 4 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 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 |
| Mechanical | |
| Mounting | Aluminium Frame [Option: Stainless Steel Frame S31600] [Option: PC, PC/ABS, PA Frame] |
| Optical Bonding | Display & Touch Panel optically bonded [HW Option] |
| Electronics Housing material | Stainless steel |
| Cover Glass | 1.1mm Chemically Strengthened Glass [Option: 4mm Safety Glass UL751] |
| Power | |
| Supply & Consumption | 12V, 0.3A, 4.0W [10Vdc ~ 32Vdc] |
| Environmental Conditions | |
| Storage Temp | -30 ~ +80°C |
| Operating Temp | -20 ~ +70°C |
| Relative Humidity | 95 % (non condensating) |
| Device Dimensions | |
| Height x Width x Depth | 192.36 x 131.77 x 31.65 mm |
| Weight (g) | 800g |

Get a custom DLOGIC Touch Display Computer



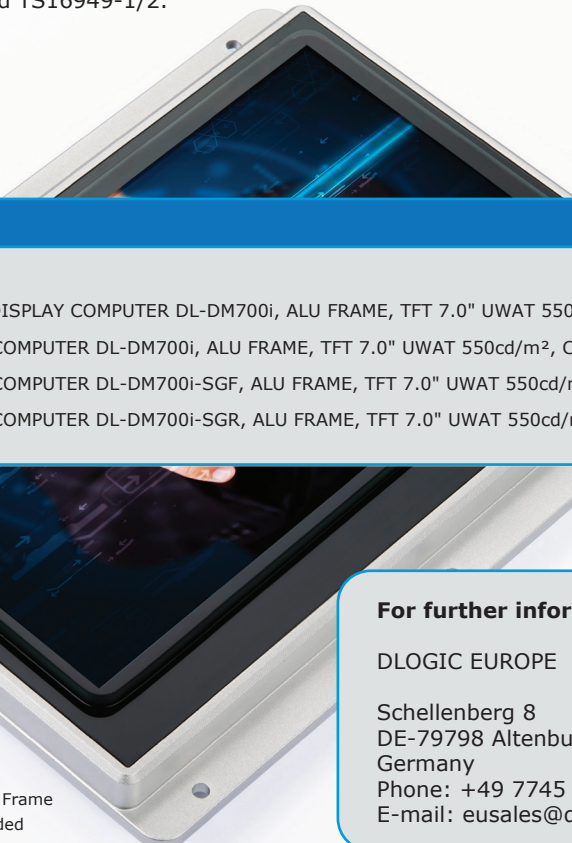
101895 DL-DM700i Touch Display Computer

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.



101902 DL-DM700i-SGR Rear Mount Frame with 4mm Safety Glass optically bonded

Order Information

| Part No. | Description |
|----------|---|
| 101928 | DEV KIT TOUCH DISPLAY COMPUTER DL-DM700i, ALU FRAME, TFT 7.0" UWAT 550cd/m ² , CAP TOUCH, FRONT MOUNT |
| 101895 | TOUCH DISPLAY COMPUTER DL-DM700i, ALU FRAME, TFT 7.0" UWAT 550cd/m ² , CAP TOUCH, FRONT MOUNT |
| 101899 | TOUCH DISPLAY COMPUTER DL-DM700i-SGF, ALU FRAME, TFT 7.0" UWAT 550cd/m ² , CAP TOUCH, SAFETY GLASS FRONT MOUNT |
| 101902 | TOUCH DISPLAY COMPUTER DL-DM700i-SGR, ALU FRAME, TFT 7.0" UWAT 550cd/m ² , CAP TOUCH, SAFETY GLASS REAR MOUNT |

For further information:

DLOGIC EUROPE

Schellenberg 8
DE-79798 Altenburg
Germany
Phone: +49 7745 2799 390
E-mail: eusales@dlogic.com

DLOGIC HONG KONG

21D Hong Kong Industrial Building
444 Des Voeux Road West
Western Districts, Hong Kong
Phone: +852 2818 6694
E-mail: info@dlogic.com