

# DLOGIC

## WORLD CLASS

TOUCH DISPLAY COMPUTERS

WEB TERMINALS

PANEL PCs and MONITORS



ASK US NOW

# Standard & Customiseable Touch Display Computers



INTRODUCTION	STANDARD COMPUTER PLATFORM	TOUCH DISPLAY MONITORS	VANDAL RESISTANT & OPTICAL BONDING	MECHANICAL INTEGRATION	APPLICATIONS
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# Touch Display Computers

## Sleek and modern design, high performance

### ■ DISPLAY

- Designed in-house
- 4.3" to 49.0" range
- Proprietary Ultra-wide viewing angle technology (UWAT) or IPS
- Portrait or landscape modes
- 24-bit colour depth – clear and vibrant colours
- High brightness backlights
- Industrial temperature range
- Long lifetime

### ■ TOUCH

- Projected Capacitive Touch
- State of the art, in-house developed
- specifically for our DLOGIC modules
- Latest technology touch sensor
- Water and moisture support
- Glove touch support
- Pen support

### ■ ELECTRONICS

- NXP i.MX series technology
- Industrial grade components
- Galvanic isolated interfaces
- Input power protection
- High performance, wide input voltage
- Battery backed real-time clock
- Conforms to various ISO, UL, CE standards

### NEW NXP i.MX8M

The i.MX 8 series of applications processors, part of the EdgeVerse™ edge computing platform, is a feature and performance-scalable multicore platform based on the Arm® Cortex® architecture—including combined advanced graphics, imaging, machine vision, audio, voice, video and safety-critical applications.



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APPLIC



**Product: DL-DM2380-Marine**  
**Application: Cargo Ship Control Room**



**Product: DL-DM2700-4K**  
**Application: Medical Diagnostics Machine**



**Product: Customised 49" 1080x1920 Touch Monitor**  
**Application: Vending Machine**



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APPLICATIONS

APPLICATIONS  
& QUALITY

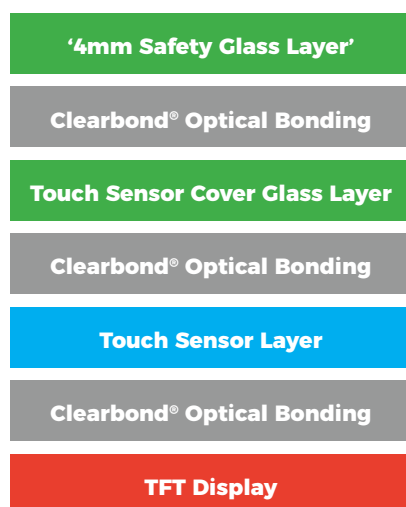
SOFTWARE  
PLATFORMS

DEVELOPMENT  
KIT & BSP

STANDARD  
PRODUCT LIST

ABOUT US

# Clearbond® Optical Bonding



DLOGIC models are available with our proprietary ClearBond® optical bonding technology.

This removes any unwanted reflection of light between the display and touch sensor while ensuring there is no possibility for dust and dirt to get in between the cover lens, touch sensor and TFT display surfaces.

This is particularly important for equipment designed for outdoor use to avoid reflection from direct sunlight as well as protecting from dirt, dust, moisture, shock and vibration.



## FEATURES

**IMPROVES VIEWABILITY IN ALL CONDITIONS**

**INCREASES RUGGEDNESS**

**IMPROVES RESISTANCE TO SHOCK, IMPACT & VIBRATION**

**RESISTANT TO DUST, DIRT AND MOISTURE**

**Largest size currently in production utilising our ClearBond™ optical bonding technology**

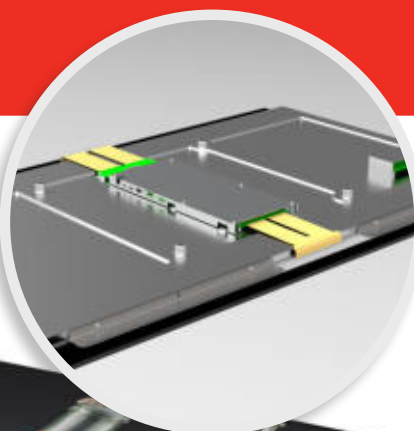
**Application :** Outdoor Vending

**Product series :** DL-DM4900-HDMI-SGF

- 49.0" 1920 x 1080 IPS TFT, Optical Bonded
- High-brightness backlight, 700cd/m2
- 8mm thick, physically hardened safety glass
- Capacitive Touch USB

**Interfaces :**

- Display Port to LVDS 2-ch
- Backlight control
- Customised mechanical housing



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ICATIONS

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**and resources on your core product development**

**Product: DL-DM700x-RV**

**Application: Automotive Recreational Vehicle (RV) auxillary controller**

- Front mounted 7" Touch Display Computer
- Spring-Loaded Blind Mounting
- Easy Installation and Maintenance



**Another example**

Customers main  
metal housing



Rear mounting  
frame

**LONG-LIFE SUPPLY  
GUARANTEE**



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APPLICATIONS

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# More product examples

**Product: DL-DM1010q (i.MX8M Plus Quad Arm Cortex A53)**  
**Application: Industrial Web Terminal**

Web terminal based on HTML5 and Chromium browser.  
Numerous application possibilities.



**NEW!**

7", 10.1", 15.6", 18.5",  
21.5", 23.8", 27.0"  
Web Terminals

**Product: DL-DM1010q-IO (i.MX8M Plus Quad Arm Cortex A53)**  
**Application: Pneumatic Tube Delivery System**



**NEW!**

15.6", 18.5", 21.5",  
23.8", 27.0"

## Peripherals include;

- 2 Serial Ports
- 2 Ethernet Ports
- Up to 4 USB 2.0
- 2 RS485
- Stereo Audio
- microSD Card
- Power Input from 10V to 32V
- Integrated overvoltage protection
- Lockable Phoenix Connectors

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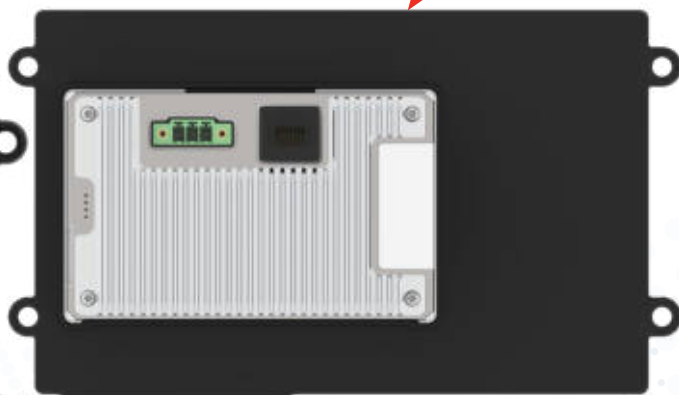
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**Product: DL-DM700x-USB (i.MX6DL ARM CORTEX A9)**  
**Application: Laboratory equipment**

- 7.0" 1024x600 IPS TFT Display
- Optically bonded Projected Capacitive Touch panel
- 4 port USB, Ethernet
- 20 pin peripheral interface connector



**Product: DL-DM1010x-MARINE (i.MX8M Dual Arm Cortex A53)**  
**Application: Marine System Controller**

Capacitive high-bright touch display offers impressive daylight visibility with crisp graphic detail and elegant touch sensitivity, NMEA2000 compatible.



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# Software Platform

The DLOGIC value proposition combines world class software and hardware in a ready to install product guaranteeing quick time to market and therefore excellent return on investment for your project.



**Linux is installed across the entire product range which is known for its high reliability and stability with software developers.**



**Every DLOGIC unit is pre-installed with software supporting GUI applications utilizing state of the art technologies including QT, Java, HTML5 and CODESYS**