

## InSync Direct-Sunlight Viewing Multi-Touch Monitor Series for Kiosk

The 2GoKiosk Multi-Touch Series is designed specifically to meet outdoor direct-sunlight viewing and all-weather environmental conditions. Three large displays 15", 17" and 19" provide multi-touch function with 7H glass touch surface for durability. In addition, these displays have auto dimming function based on ambient lighting condition for night time viewing and optimum power saving.

### Optical

- Direct-Sunlight Viewing
- Optical Bonding: See Crisp Images in Direct Sunlight
- Readable at Zero Backlight Power for Max Power Saving

### Electronics

- Video Input: VGA, DVI, Composite, Component, HDMI
- Projected Capacitive MultiTouch Screen
- +9V to +36V Input Voltage Power or 120/240VAC (option)
- Auto Dimming / Ambient Light Sensing

### Environmental

- -30C to +65C up to +95C Display Surface Temp
- NEMA4; IP/65 Front Surface
- Durability: 7H Hardness
- Protected Against Vibration and Corrosion
- Zero Fault Touch on rain and snow conditions
- Nanotechnology Hydrophobic Coating to Shed Water (option)



See Actual Monitor Photos on Mechanical Pages

### Mechanical

- Front Panel/VESA Mount
- Easy Access to Control Buttons from Rear Chassis

### Bonded Anti-Reflective Glass Monitor

Size	Part #	Resolution	Brightness	Video	Operating Temp	Input Power	Auto Dimming	Outline Dimensions
15"	04D-1522-346-1	1024 x 768	2,000 nits	VGA (Note1)	-30C to +65C	+12V (Note2)	Yes	14.8x12.6x2.0
17"	04D-1722-346-1	1280x1024	900 nits	VGA (Note1)	-10C to +60C	+12V (Note2)	Yes	16.1x14.2x2.0
19"	04D-1922-346-1	1280x1024	800 nits	VGA (Note1)	-10C to +60C	+12V (Note2)	Yes	17.8x15.5x2.0

Scroll down for more detailed Specification

[Click For Inquiry](#)

# Insync Peripherals

Laguna Hills, CA

2GoKiosk Series 04-002-2013

## Bonded Capacitive Touch Monitor

Size	Part #	Resolution	Brightness	Video	Operating Temp	Input Power	Auto Dimming	Outline Dimensions (Inches)
15"	04D-1522-346-2	1024 x 768	2,000 nits	VGA (Note1)	-30C to +65C	+12V (Note2)	Yes	14.8x12.6x2.0
17"	04D-1722-346-2	1280x1024	900 nits	VGA (Note1)	-10C to +60C	+12V (Note2)	Yes	16.1x14.2x2.0
19"	04D-1922-346-2	1280x1024	800 nits	VGA (Note1)	-10C to +60C	+12V(Note2)	Yes	17.8x15.5x2.0

Scroll down for more detailed Specification

## Bonded Capacitive Touch Monitor with SBC

Size	Part #	Resolution	Brightness	Video	Operating Temp	Input Power	Auto Dimming	Outline Dimensions (in)	(See Note 3 for SBC Spec.)
15"	04D-1522-346-3	1024 x 768	2,000 nits	VGA (Note1)	-10C to +65C	+12V (Note2)	Yes	14.8x12.6xTBD	Yes
17"	04D-1722-346-3	1280x1024	900 nits	VGA (Note1)	-10C to +55C	+12V (Note2)	Yes	16.1x14.2xTBD	Yes
19"	04D-1922-346-3	1280x1024	800 nits	VGA (Note1)	-10C to +55C	+12V (Note 2)	Yes	17.8x15.5xTBD	Yes

Note 1 Video Inputs: VGA, DVI, Composite, Component, HDMI

Note 2 Product Options:

Add Suffix to Part #

-S +9V to +36V

-A 120Vac/240Vac

-H Hydrophobic/AR coating

Example: 04D-1522-346-1-S, 04D-1522-346-1-SAH

Note 3 See SBC specification at end of the file.

Note 4 Kiosk Requirements.: Auto dimming ambient light detection, waterproof front surface, NEMA 4/IP65, sunlight readability at daytime, vibration proof, corrosion resistant.

Options: AR hydrophobic coating, wide input voltage (9-36V)

Scroll down for more detailed Specification

**Insync Peripherals Corp**

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## Specifications

### Bonded Anti-Reflective Glass Monitor

	15"	17"	19"
<b>Model #</b>	04D-1522-346-1	04D-1722-346-1	04D-1922-346-1
<b>Display</b>			
Brightness	2,000 nits	900 nits	800 nits
Resolution	1024x768	1280x1024	1280x1024
Auto Dimming	Yes	Yes	Yes
Front Surface	Bonded AR glass	Bonded AR glass	Bonded AR glass
Menu Control	Rear	Rear	Rear
Video Input	VGA/DVI Composite Component HDMI	VGA/DVI Composite Component HDMI	VGA/DVI Composite Component HDMI
<b>Power</b>			
Input Voltage	+12VDC	+12VDC	+12VDC
Power Consumption	24 Watts	28 Watts	33 Watts
Power Options	Note 2	Note 2	Note s
<b>Mechanical</b>			
Active Area (inches)	11.97x8.98	12x9	14.81x11.85
(mm)	304.1x228.1	337.9x270.3	376.3x301.0
Outline Dimensions (inches)	14.8x12.6	16.08x14.16	17.76x15.53
(mm)	x2.0 375.74x319.33 x51	x2.0 408.56x359.05 x51	x2.0 451.16x394.49 x51
Mounting Cutout	01-001G-344-1522	01-001G-344-1722	01-001G-344-1922
VESA Mount	Yes	Yes	Yes
Panel Mount	Yes	Yes	Yes
Chassis finish	Powder Coat	Powder Coat	Powder Coat
Color finish	Gray	Gray	Gray
Chassis Material (Front Bezel)	Marine Grade Aluminum	Marine Grade Aluminum	Marine Grade Aluminum
Weight	8.0 lbs	9.5 lbs	11.0 lbs
Mechanical Dwg	TBD	TBD	TBD
<b>Environmental</b>			
Operating Temp	-30 to +65C	-10 to +60C	-10 to +60C
Storage Temp	-30 to +85C	-20 to +65C	-20 to +65C
Maximum Surface Temp	+95C	+85C	+75C

## Specifications

### Bonded Capacitive Touch Monitor

	15"	17"	19"
<b>Model #</b>	04D-1522-346-2	04D-1722-346-2	04D-1922-346-2
<b>Display</b>			
Brightness	2,000 nits	900 nits	800 nits
Resolution	1024x768	1280x1024	1280x11024
Auto Dimming	Yes	Yes	Yes
Front Surface	Bonded Multi-Capacitive Touch	Bonded Multi-Capacitive Touch	Bonded Multi-Capacitive Touch
Menu Control	Rear	Rear	Rear
Video Input	VGA/DVI Composite Component HDMI	VGA/DVI Composite Component HDMI	VGA/DVI Composite Component HDMI
<b>Touch Screen</b>			
Touch Screen:	Projected Capacitive	Projected Capacitive	Projected Capacitive
Touch Hardness	Glass 7H	Glass 7H	Glass 7H
Durability	200 million touches	200 million touches	200 million touches
Input	Fingers and Gloves	Fingers and Gloves	Fingers and Gloves
Interface	USB	USB	USB
Rainy Condition	Zero Fault Touch	Zero Fault Touch	Zero Fault Touch
<b>Power</b>			
Input Voltage	+12VDC	+12VDC	+12VDC
Power Consumption	24Watts	28 Watts	33 Watts
Power Options	Note 2	Note 2	Note 2
<b>Mechanical</b>			
Active Area (inches)	11.97x8.98	12x9	14.81x11.85
(mm)	304.1x228.1	337.9x270.3	376.3x301.0
Outline Dimensions (inches)	14.8x12.6	16.08x14.6	17.76x15.53
(mm)	X2.0 375.74x319.33	x2.0 4.8.56x359.05	x2.0 451.16x394.49
Mounting Cutout	x51 01-001G-344-1522	x51 01-001G-344-1722	x51 01-001G-344-1922
VESA Mount	Yes	Yes	Yes
Panel Mount	Yes	Yes	Yes
Chassis finish	Powder Coat	Powder Coat	Powder Coat
Color finish	Gray	Gray	Gray
Chassis Material (Front Bezel)	Marine Grade Aluminum	Marine Grade Aluminum	Marine Grade Aluminum
Weight	8.0 lbs	9.5 lbs.	11.0 lbs
Mechanical Dwg	TBD	TBD	TBD
<b>Environmental</b>			
Operating Temp	-30 to +65C	-10 to +60C	-10 to +60C
Storage Temp	-30 to +85C	-20 to +65C	-20 to +65C
Maximum Surface Temp	+95C	+85C	+75C

## Specifications

### Bonded Capacitive Touch Monitor with SBC (Single Board Computer)

	15"	17"	19"
<b>Model #</b>	<b>04D-1522-346-3</b>	<b>04D-1722-346-3</b>	<b>04D-1922-346-3</b>
<b>Display</b>			
Brightness	2,000 nits	900 nits	800 nits
Resolution	1024x768	1280x1024	1280x1024
Auto Dimming	Yes	Yes	Yes
Front Surface	Bonded	Bonded	Bonded
	Projected Capacitive Touch	Projected Capacitive Touch	Projected Capacitive Touch
Menu Control	Rear	Rear	Rear
Video Input	VGA/DVI	VGA/DVI	VGA/DVI
	Composite	Composite	Composite
	Component	Component	Component
	HDMI	HDMI	HDMI
SBC (Note 3)	Yes	Yes	Yes
	External (TBD)	External (TBD)	External (TBD)
<b>Touch Screen</b>			
Touch Screen:	Projected Capacitive	Projected Capacitive	Projected Capacitive
Touch Hardness	Glass 7H	Glass 7H	Glass 7H
Durability	200 million touches	200 million touches	200 million touches
Input	Fingers and Gloves	Fingers and Gloves	Fingers and Gloves
Interface	USB	USB	USB
Rainy Condition	No Fault Touch	No Fault Touch	No Fault Touch
<b>Power</b>			
Input Voltage	+12VDC	+12VDC	+12VDC
Power Consumption	TBD	TBD	TBD
Power Options	Note 2	Note 2	Note 2
<b>Mechanical</b>			
Active Area (inches)	11.97x8.98	12x9	14.81x11.85
(mm)	304.1x228.1	337.9x270.3	376.3x301.0
Outline Dimensions (inches)	14.8x12.6	16.08x14.16	17.76x15.52
(mm)	xTBD	xTBD	xTBD
	376x320.2	408.56x359.05	451.16x394.49
	xTBD	xTBD	xTBD
Mounting Cutout	01-001G-344-1522	01-001G-344-1722	01-001G-344-1922
VESA Mount	Yes	Yes	Yes
Panel Mount	Yes	Yes	Yes
Chassis finish	Powder Coat	Powder Coat	Powder Coat
Color finish	Gray	Gray	Gray
Chassis Material (Front Bezel)	Marine Grade Aluminum	Marine Grade Aluminum	Marine Grade Aluminum
Weight	8.0 lbs	9.5 lbs	33.0 lbs
Mechanical Dwg	TBD	TBD	TBD
<b>Environmental</b>			
Operating Temp	-10 to +55C	-10 to +55C	-10 to +55C
Storage Temp	-10 to +60C	-10 to +60C	-10 to +60C
Maximum Surface	+95C	+85C	+75C

# Insync Peripherals

Laguna Hills, CA

2GoKiosk Series 04-002-2013

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## Misc

See [www.insyncperipherals.com/Warranty.htm](http://www.insyncperipherals.com/Warranty.htm) for more information.  
See Document P/N: 04-001A-100 for visual inspection testing criteria.



### Insync Peripherals Corp

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# Insync Peripherals

Laguna Hills, CA

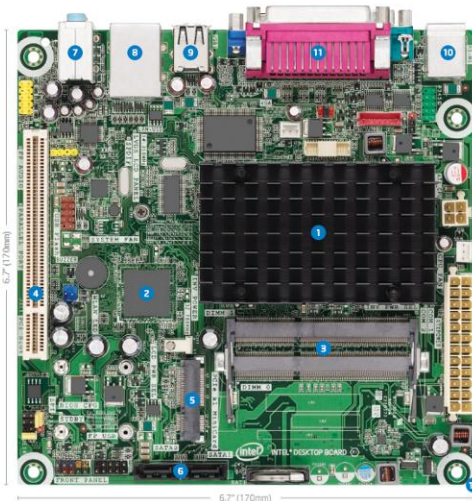
2GoKiosk Series 04-002-2013



## Single board computer (SBC) Specification

### Intel® Desktop Board D525MW Innovation Series Features and Benefits

- 1 Integrated with the new dual-core Intel® Atom™ processor D525. Features an integrated graphics core (Intel® GMA 3150) with graphics performance improvements.
- 2 Intel® NM10 Express Chipset: Designed to support the new Intel® Atom™ processor.
- 3 Single-channel DDR3 with two connectors for 1066 / 800 MHz memory support (4 GB<sup>1</sup> max)
- 4 One PCI connector: Expansion connector for custom system configurations and future add-in card upgrades.
- 5 PCI Express® Mini Card connector
- 6 Two SATA ports (3.0 Gb/s)
- 7 Six-channel Intel® High Definition Audio®: Integrated audio stereo at an excellent value.
- 8 Integrated 10/100/1000 Mbps Network Connection
- 9 Seven Hi-Speed USB 2.0 ports: Four back panel ports and two additional ports via internal header; one USB port for flash card / Solid-State Drive.
- 10 Two PS/2 ports: Support keyboard and mouse.
- 11 Parallel and serial ports: Provides legacy device compatibility.
- 12 Mini-ITX / microATX-compatible form factor



### Intel Atom CPU

#### PROCESSOR

##### Processor Support

- Intel® Atom™ processor D525 (dual-core / 1.8 GHz / 512 KB x 2 L2 cache)

##### CHIPSET

- Intel® NM10 Express Chipset

##### Graphics

- Intel® Graphics Media Accelerator 3150

##### I/O Controller

- Two SATA ports (fully shrouded)
- Two PS/2 ports
- One serial header
- One serial port
- One parallel port

##### USB 2.0

- Four external ports
- Two ports via headers
- One USB for flash card / Solid-State Drive

##### Audio Solution

- Six-channel Intel® High Definition Audio® (with multi-streaming)
- Front-panel mic / headphone header
- S/PDIF header

##### 10/100/1000 Network Connection

- Realtek® 10/100/1000 Mbps Ethernet Controller

#### System BIOS

- 8 Mb Flash EEPROM with Intel® Platform Innovation Framework for EFI Plug and Play, IDE drive auto-configure
- Advanced configuration and power interface V2.0; DIMM 2.0; multilingual support
- Serial Peripheral Interface (SPI) Flash

#### Intel® Rapid BIOS Boot

- Optimized POST for fast access to PC from power-on

#### SYSTEM MEMORY

- Single-channel DDR3 with two connectors for 1066 / 800 MHz memory support (4 GB max)<sup>1</sup>

#### Memory Types

- DDR3 1066 / 800 SDRAM memory support
- Non-ECC Memory

#### Memory Voltage

- 1.8 V

#### Wake-up from Network

- Wired for Management (WiTM) 2.0 compatible
- Support for system wake-up using an add-in network interface card with remote wake-up capability

#### Expansion Capabilities

- One PCI connector
- One PCI Express® Mini Card connector

#### JUMPERS AND FRONT-PANEL CONNECTORS

- Jumper: yellow
- Header: black

#### Front-Panel Connectors

- Reset, HD LED, Power LEDs, power on/off, aux LED
- USB 2.0 headers
- Audio header

#### MECHANICAL

##### Board Style

- Mini-ITX / microATX-compatible

##### Board Size

- 6.7" x 6.7" (170mm x 170mm)

##### Baseboard Power Requirements

- ATX 12V or SFX 12V

##### ENVIRONMENT

##### Operating Temperature

- 0°C to +50°C

##### Storage Temperature

- -20°C to +70°C

#### REGULATIONS AND SAFETY STANDARDS

##### United States and Canada

- UL 60950-1

##### Canada

- CAN / CSA-C22.2 No. 60950-1

##### Europe

- (Low Voltage Directive 2006/95/EC)
- EN 60950-1

##### International

- IEC 60950-1

USB 7/8/9/10

PCIe x4

SATA 1/2/3/4

### System

CPU	LGA1156 socket for Intel® Core™ i7/ i5/ i3/ Pentium® processor with FSB 1066/1333 MHz
System Memory	2 x 240-pin DIMM support DDR3-1066/1333 max. up to 8 GB
Chipset	Intel® Q57
BIOS	AMI
SSD	Optional 1 x CompactFlash™ type-II or 1 x CFast
Watchdog Timer	255 levels, 1-255 sec.
Expansion Interface	1 x PCIe x4
Battery	Lithium 3 V/ 220 mAh
Power Requirements	Intel® i5-660 @3.33 GHz, 2GB DDR3 Max. RMS: +5V_SBY @ 0.022A, +3.3V @ 0.845A, +5V @ 1.252A, +12V @ 2.495A, -12V @ 0.034A
Size	170 x 170 mm
Board Thickness	1.6 mm
Temperature	0°C - +60°C (32°F - 140°F), operation
Relative Humidity	10% - 95% relative humidity, non-condensing

Intel  
I3

### I/O

MIO	1 x PS/2 keyboard 1 x PS/2 mouse 1 x RS-232/422/485 (COM 1); with +5V/+12V powered 1 x RS-232 (COM 2); with +5V/+12V powered
SATA	4 x SATA-300 with RAID 0/1/5/10
Hardware Monitoring	Detect CPU/system temperature, voltage and support Smart fan
Ethernet	1st port as 10/100/1000Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82578DM 2nd port as 10/100/1000Mbps supports Wake-on-LAN, RPL/PXE Boot ROM with Intel® 82583V
Audio	HD Codec audio as MIC-in/Line-in/Line-out speaker-out with Realtek AL662
USB	10 x USB 2.0
SMBus	System Management Bus for advanced monitoring/control
Digital IO	8 channels IN/OUT programmable

Processor: Intel Atom D525 1.8GHz Dual Core CPU  
Memory: 2GB DDR3, Option: 4GB DDR3  
LAN: 1Gb/s (Gigabit Ethernet), Option: wireless connectivity  
Storage: 160GB SATA 2.5" hard drive, Option: 500GB SATA 2.5" hard drive,  
80GB/120GB Solid-state drive  
USB: 4 ports  
Misc/Option: Serial/parallel port, CompactFlash interface

## Kiosk Monitor Photos



# Insync Peripherals

Laguna Hills, CA

2GoKiosk Series 04-002-2013

There is nothing between your eyes and display elements



Ship Deck Touch Monitors, Newport Beach, CA



Newport Beach Lido Marina



Optically Bonded 19" Outdoor Display Gasoline Station



Indoor/Outdoor Self-Pay Kiosk

File: 2GoKiosk Series 04-002-2013 Rev. B 3-15-13

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