Industrial Display Solutions

Leading Industrial Display Expert

╱ **Leading Technology and Capability**

╱ **Product Offerings**

╱ **Design To Order Services**

╱ **Market Solutions**

╱ **Product Selection**

ADVANTECH

Enabling an Intelligent Planet

www.advantech.com

Leading Professional Display Expert

Advantech designs, develops, and manufactures display systems that meet the demands of various global system integration markets. These include gaming, automation, kiosk, and medical markets. By combining proven technologies and flexible manufacturing, Advantech creates class leading solutions that deliver significant product differentiation and competitive advantages. Our customer-centric approach reinforces all of our activities and is an essential part of the thousands of products we ship daily.

Touchscreen Integration

Optical Bonding

High Brightness

Curved Display

Pioneering Industrial Display Technologies

Advantech is dedicated to developing industry-leading display technologies. We are a pioneer in optical enhancement solutions including high brightness optical bonding, curved play solutions, panel resizing, and wide temperature solutions.

DeviceOn/Display

Global In-house Design and Manufacturing Capabilities

Advantech has built in-house class 1,000/10,000 LCD clean rooms in Taiwan, China, and North America with a monthly capacity of 30,000 units. We offer reliable high-quality industrial display products.
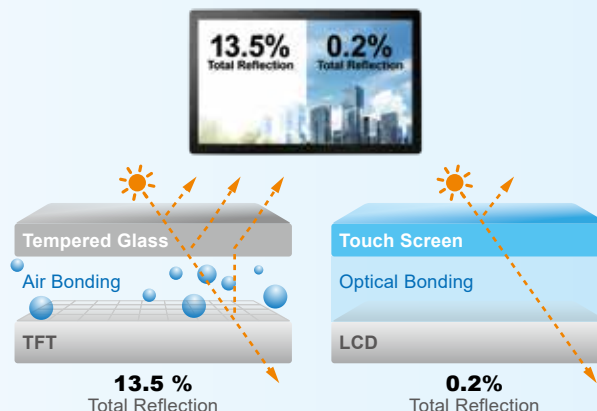
15+ Years of Supplying the Global Industrial Displays Market

Advantech's Industrial Display Solutions team has 15 years of experience building high quality leading edge industrial display products and is dedicated to helping customers adopt the latest technology.

Leading Technologies

OPTICAL BONDING

Optical bonding technology removes air gaps by injecting optical glue into the space between a cover glass and the LCD panel. This reduces sunlight reflections to improve image quality. Advantech develops both Wet Bond (OCR) and Dry Bond (OCA) technologies with high vibration and impact resistance to enhance LCD readability and durability.
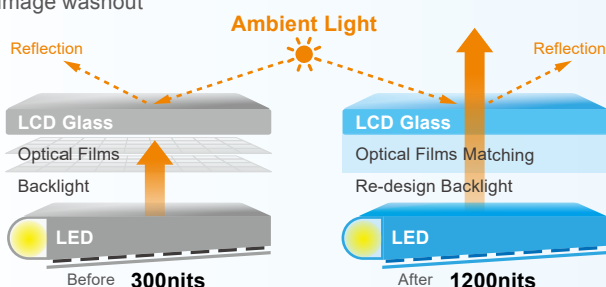
13.5% Total Reflection **0.2%** Total Reflection

Tempered Glass
Air Bonding
TFT
13.5 %
Total Reflection

Touch Screen
Optical Bonding
LCD
0.2%
Total Reflection

Before
Ambient sunlight causes image washout

After
Sunlight reading issue

Ambient Light

Reflection

LCD Glass
Optical Films
Backlight
LED
Before **300nits**

Reflection

LCD Glass
Optical Films Matching
Re-design Backlight
LED
After **1200nits**

HIGH BRIGHTNESS

Using a built-in LED light bar, optical films, and high-efficiency thermal technology, Advantech's solution can boost brightness up to 2000nits. The lowpower backlight source uses 20% less energy than competing products with the same level of brightness. Advantech also offers an excellent automatic dimming solution which can save up to 50% on power consumption.
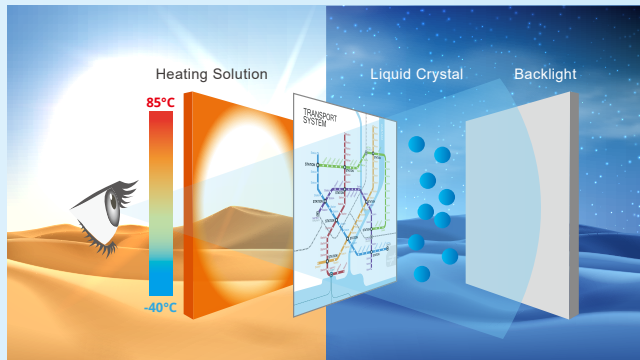
MEDICAL IMAGING

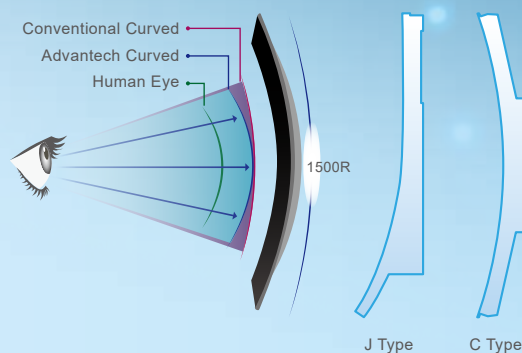Advantech's solutions include IPS displays and AD boards with color management functionality to help improve brightness stability, gray scale, color temperature, and color gamut to ensure uniformity. Our solution is fully compliant with the DICOM part 14 standards. It also incorporates WiseAgent, a Network Remote Diagnostics Tool for remote control and monitoring.

Uncorrected Gamma Curve

Ideal Gamma Curve

CURVED DISPLAY

Advantech curved display technology is available with concave or convex surfaces including 1500R or 1200R. Packaged together with an industrial grade video card and power supply, our solution is available with standard video inputs and can be specified with or without a 10-point touch overlay. Advantech also provides open frame monitors and panel module products to support different application needs.

Conventional Curved
Advantech Curved
Human Eye
1500R
J Type   C Type

Heating Solution   Liquid Crystal   Backlight
85°C
TRANSPORT SYSTEM
-40°C

WIDE TEMPERATURE

Advantech Thermal Impedance Solution uses a heating film and a built-in intelligent AD board for auto on/off control. This allows the LCD display to raise the temperature to accommodate different working environments. It can also turn the heating film/glass on or off automatically to save energy.

INDEPENDENT 6-AXIS COLOR ADJUSTMENT

The six-axis adjustment feature allows independent adjustments of six different colors (red, green, blue, cyan, magenta, and yellow), providing a higher degree of color adjustment flexibility.

Yellow 60°
Red 0°   Green 120°
Saturation
Cyan 180°
Magenta 300°   Blue 240°
Hue

Before   After
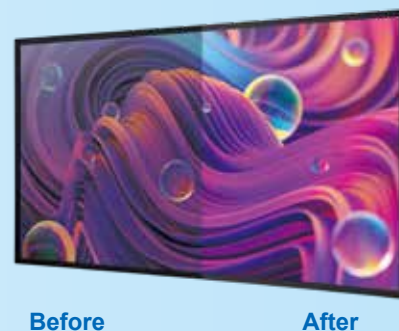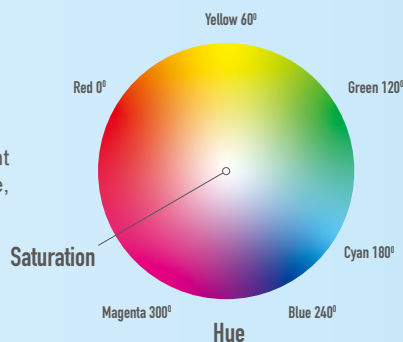
Industrial Touch LCD Kit
Turnkey kits for Advantech SBC

The Advantech industrial LCD Kit series provides industrial grade touch LCD panels integrated with resistive touch screens, projective touch screens, and compatible AD board kit solutions. Advantech's LCD kit series is fully compatible with all Advantech's embedded boards and features LVDS and backlight cables options, ready VBIOS, and touch driver support.

Series Feature Highlight

EMI Shielding

Improve Signal Clarity

Shield extraneous electromagnetic and radio frequency signals that disrupt device performance

Increase Data Integrity

Prevent external signals from interfering from critical data streams

High Brightness

Superior brightness of 1000~1800nits

Low power consumption

IDK-1000 Indoor LCD Kit

DICOM model available

5.7"~21.5"

LVDS interface

Resistive/PCAP touchscreen

IDK-2000 Outdoor LCD Kit

Sunlight readable

7"~21.5"

LVDS interface

PCAP touch

Industrial Touch Monitor

Advantech provides comprehensive monitor solutions with different front frame chassis options. Customers can make choices based on their integration needs. All of Advantech's industrial grade monitors feature slim and light designs for easy and efficient installation.

Series Feature Highlight

Flexible Mechanical design
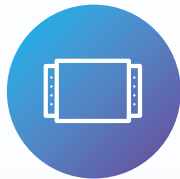
Open frame

Panel mount

Versatile Touch solution

Resistive touch

P-cap touch

Tempered glass

IDS-3100 Open Frame Monitors

| 6.5"~27" | Wide temperature | Resistive/PCAP touchscreen | VESA mount 75 x 75 & 100 x 100 mm |

IDS-3200 Panel Mount Monitors

| 6.5"~21.5" | Resistive/PCAP touchscreen | VESA mount 75 x 75 & 100 x 100 mm | Rugged front frame |

Industrial Full-flat Monitors

Advantech provides 100% flat glass front touch monitors suitable for myriad applications including medical and point-of-sale/information solutions. These flat monitors' feature a metal chassis which enables easy cleaning and maintenance, and provides a rugged and stable platform for diverse applications.

Series Feature Highlight

Compact design

Slim and light weight

Panel mount integration

Ruggedize design

Front frame IP65

Wide temp support -20~70°C

IP65 water and dust proof designs can eliminate downtime in harsh environments by preventing the ingress of particulates and moisture/water. The IP65 rated industrial grade monitor can enable access to production equipment and machines without issues caused by dust and water. An IP rating is defined by two numbers: the first number represents protection from solid objects or materials, and the second represents protection from liquids.

IP 65

SOLIDS

3 Protected against a solid object greater than 2.5mm

4 Protected against a solid object greater than 1mm

5 Protected against dust-limited ingress but not harmful

6 **Dust tight- No ingress of dust- 2 to 8 hours**

LIQUIDS

2 Resists splashes

3 Resists light rain

4 Resists heavy rain

5 **Resists low pressure jets of water**

DUST | **WATER**
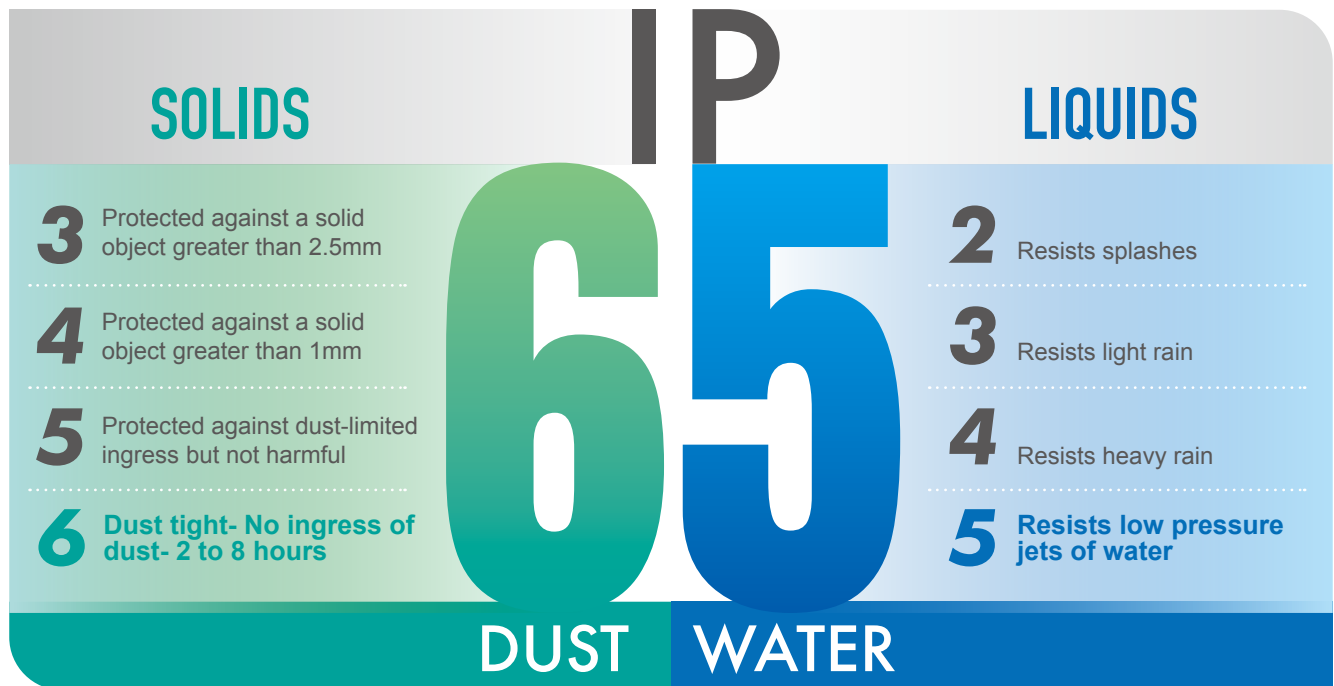
IDP31 Proflat Monitors

IP65					
100% flat, IP-rated front screen	7"~23.8"	Multi-touch	Bezel-less design	Audio solution	VGA/DVI/HDMI interface

Digital Signage Solutions

Advantech provides a standalone plug-and-play display for digital signage solutions. This signage display enables professional-grade image quality with optional interactive touch. It supports resolutions ranging from Full HD to 4K UHD. To fulfill the multiple connection requests of signage systems, it supports signal interfaces for HDMI, Display Port, and SDM interface.

Series Feature Highlight

Robust design

Fan-less thermal management

24/7 operation

User friendly

Multiple signal interface

VESA mounting support

DSD-3000 Signage Monitors

- 32"~55"
- Wide ratio of 16:9
- High resolution
- Portrait/ landscape mode
- Multiple signal interface

DSD-5000 Stretched Monitors

- 28" & 38"
- Super wide ratio of 16:3
- RS232 remote control
- Multiple I/O
- Audio solution

Gaming Display Solutions

This range of shaped monitors heralds the arrival of bold and daring designs for industrial displays. Available in C or J styles, the curved display series is built with a durable industrial grade standard. They use long life parts and tempered vandal proof glass. The fully flush finish makes the units easier to clean.

Series Feature Highlight

Immersive design

Curved shape of 1500 radius

LED strip integrated

Superior viewing performance
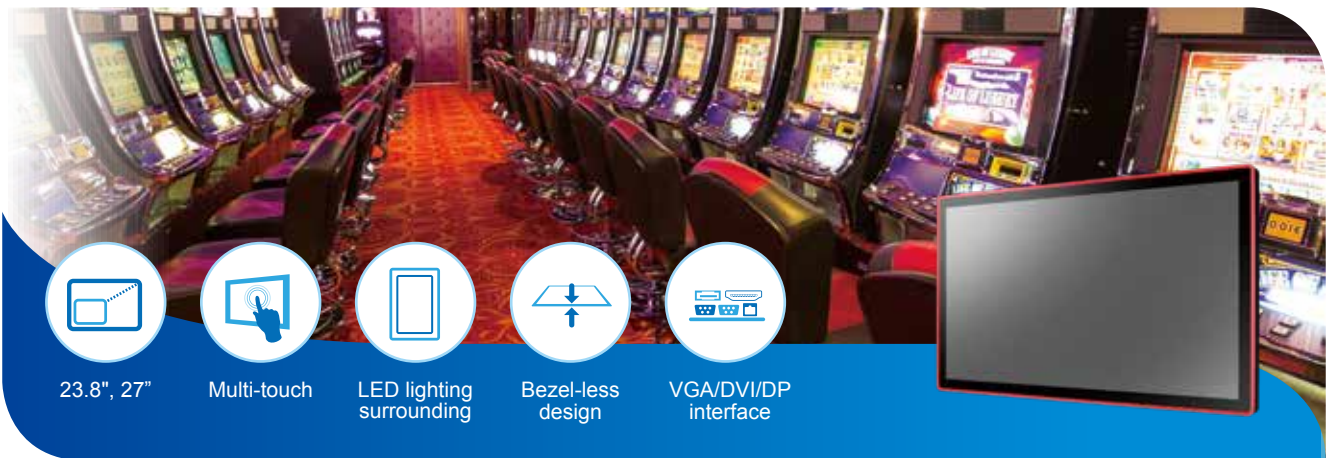
High color gamut

WIDE

Wide view angle

IDP31 Proflat Monitors with LED Strip Lights
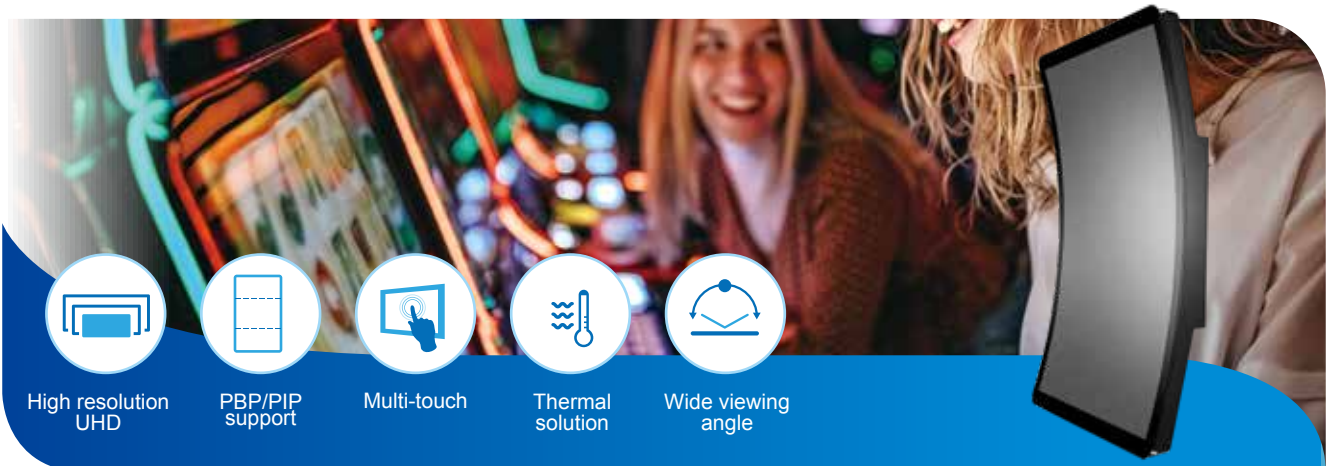
23.8", 27" | **Multi-touch** | **LED lighting surrounding** | **Bezel-less design** | **VGA/DVI/DP interface**

CRV C/J type Curved Touch Monitors

High resolution UHD | **PBP/PIP support** | **Multi-touch** | **Thermal solution** | **Wide viewing angle**

CRV C/J type Curved Touch Monitors with LED Strip Lights

LED Strip Lights surrounding | **Multi-touch** | **1500R radius curve** | **PIP Function** | **High resolution UHD**

Smart Parking

The contactless payment transactions become popular. Parking payment solutions that helps end users to do the transactions by themselves .
The off-street parking systems will need to deliver clear information and provides reliable usage.

Solution:
Advantech's IDK-1110WP, a 10.1 inch touch panel kit with 1000nits ultra high brightness, which could deliver the excellent visibility performance even during the direct sunlight. The touch panel kit is Integrated with projected capacitive touch solution by optical bonding solution that supports operation with quick response, and could avoid the sunlight reflection under sunlight.

Solution Highlights:
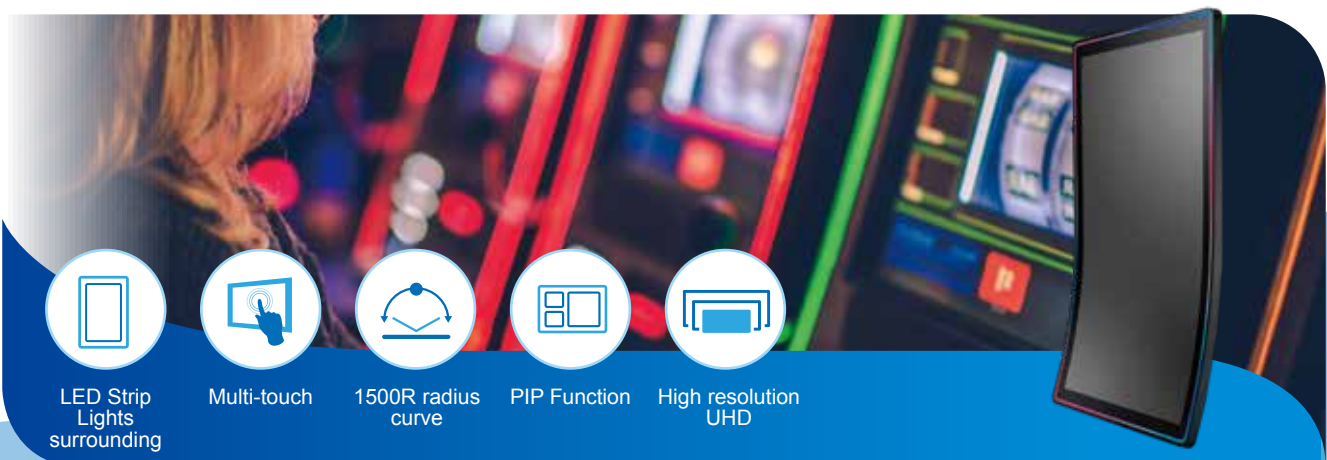- IDK-1110W series
- High brightness
- Projected capacitive touch
- Optical bonding

Gaming

The Slot machine with curved touch monitors could enhance the attraction through the stylish curved shape design, with the integrated LED lighting strips surrounding the display also brings attraction when winning the game.

Solution:
Advantech's CRV-430WP which is a 43" curved touch monitor with LED strip, also equipped with a LED controller for versatile LED color configuration, which could enhance the immersive and impressed viewing experience of the slot machine. The touch monitor mechanically represents the C shape design that helps to provide the best viewing performance when the player sits in front of the Slot machine.

Solution Highlights:
- CRV-430WP series
- High resolution of 3840 x 2160
- Projected capacitive touch
- Radius of 1500 design

Medical Testing Equipment

Molecular Diagnostics platform builder which is used for PCR inspection. The platforms are sample-to-answer, real-time PCR systems crafted to increase laboratory efficiency, ensure result accuracy, and fit seamlessly into today's lean laboratory.

Solution:

Advantech's IDK-1115WP , a 15.6 inch wide ratio panel with 450nits brightness which could deliver excellent display performance . The panel is Integrated with P-cap touch solution that supports gloved operation in laboratory .Meanwhile , the projective touch is with surface treatment of anti-finger print that helps to minimize the finger print when doing the operation

Solution Highlights:

- IDK-1115W series
- High resolution of 1920 x 1080
- Projected capacitive touch
- Wide viewing angle

Factory Automation

Automatic Optical inspection (AOI) solutions have in the meantime been developed to such a reliable level that manual inspection can be completely replaced. With the information collected through AOI systems, yields can be increased. The machine apply with a touch monitor that could provide stable operation with precise action.

Solution:

Advantech's IDS-3215 , a 15 inch touch panel mount monitor with multiple signal interfaces and USB interface for touch function . The comprehensive design that helps customer easy integration , flexible signal connection , and stable reliability . The monitor is equipped with 5 wires resistive touch that could support 10 millions operation touch without worry, the display supports 1024 x768 resolution with brightness 500nits that helps to deliver clear instruction for operation.

Solution Highlights:

- IDS-3215 series
- Panel mount integration
- Resistive touch
- Backlight lifetime 70,000 hrs

Design-to-order Services

Advantech provides DTOS service to design and manufacture displays tailored to your unique demands. Our design teams are located close to our customers in order to efficiently translate OEM requirements into cost effective, cleverly engineered solutions for all manner of environments.

Industrial Display DTOS Services

Full Customization, Tailor-made

Optical Enhancements
- High brightness up to 2,000 cd/m^2
- Optical bonding
- Anti-reflective coating
- Privacy and polarizing filters

Electronics and Software
- Compatible signal cable set
- A/D card design
- DICOM for medical applications
- Data collection at point of display

Touch and Integration
- All touch technologies
- Decal printing
- Vandal proof solutions
- Multi-touch & gesture control

Mechanical Design
- Aluminum/ steel/ stainless chassis
- Open, closed frame, proflat designs
- Panel cutting
- Optional IP54/ IP65 solutions

Key Applications

Our teams develop hundreds of new designs each year and are veterans of many demanding applications such as:

Medical Testing
- Expansive Viewing
- Excellent Noise Immunity
- Anti-fingerprint Coating

Automation
- PCAP touch supports multi touch
- IP65 front panel
- Panel mount integration

Kiosk
- Bezel-less design
- Versatile signal DVI/HDMI
- Open frame integration

Gaming
- High resolution FHD/UHD
- P-cap touch for multi touch
- Curved display

DeviceOn/Display

Advantech's DeviceOn/Display software utility delivers remote monitoring, status visualization, and real-time management to individual display devices. DeviceOn/Display can support display function adjustment via central control or handheld devices. The operating status can be monitored with problems recorded on a server daily. This solution eases management control and saves time.

Functions Highlights

OSD

On Screen Display Control
- Brightness adjustment
- Color temperature

Touch Function Settings
- Touch function enable/disable
- Remote touch calibration
- Remote touch debug

Remote Monitoring
- Backlight lifetime monitoring

Remote Task Management
- Grouping settings
- Power-on timer settings

Advantages of using Advantech DeviceOn/Display

DeviceOn/Display is the cutting-edge remote display management software that boosts display performance, enables customization, and reduces workplace hazards.

BEFORE

Old Practices
- High costs
- Low efficiency
- Poor traceability

up to 4 weeks

Machine Problem Occurs.

↓

Send staffs for onsite checking.

↓

Staff dismantles machinery over a period of days, and performs diagnostics.

↓

Find faulty equipment to solve phantom touch, touch position shift and non-responsive touch issues.

☺ AFTER

With DeviceOn/Display
- Lower costs
- High efficiency
- Real-time monitoring

☑ Machine Problem Occurs
↓

Real-time

Fix displays remotely in only **3** steps

01 Install touch utility and recalibration

02 Get log file for analysis

03 Customized touch firmware and deployment

Selection Guide

IDK-1000 Indoor LCD Kits

	IDK-1105	IDK-1106	IDK-1107W		IDK-1110W		IDK-1110	
Size	5.7"	6.5"	7"		10.1"		10.4"	
Resolution	640 x 480, VGA	640 x 480, VGA	800 x 480, WVGA	1024 x 600, WVGA	1024 x 600, WSVGA	1280 x 800, WXGA	800 x 600, SVGA	1024 x 768, XGA
Brightness (cd/m²)	500	800	500	500	500	500	400	500
Viewing Angle (H/V°)	140/100	160/140	178/178	178/178	140/120	170/170	160/130	176/176
Contrast Ratio	250:1	600:1	800:1	800:1	500:1	800:1	700:1	1000:1
Touchscreen	4-Wire Resistive	4-Wire Resistive	5-Wire Resistive and P-cap	P-cap	4-Wire Resistive	P-cap	4-Wire Resistive	4-Wire Resistive and P-cap
Signal Interface	LVDS	LVDS	LVDS	LVDS	LVDS	LVDS	LVDS	LVDS
Backlight Life (hrs)	30,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Durability (touches)	1 million	1 million	1 million	No limit	1 million	No limit	1 million	1 million
Operating Temperature	-20 ~ 70°C	-10 ~ 60°C	-5 ~ 60°C	-20 ~ 70°C	-5 ~ 60°C	-20 ~ 65°C	-10 ~ 60°C	-10 ~ 60°C

	IDK-1112	IDK-1115	IDK-1115WP	IDK-1121W	
Size	12.1"	15"	15.6"	21.5"	
Resolution	1024 x 768, XGA	1024 x 768, XGA	1920 x 1080, FHD	1920 x 1080, FHD	1920 x 1080, FHD
Brightness (cd/m²)	500	500	450	300	250
Viewing Angle (H/V°)	178/178	178/178	170/170	178/178	178/178
Contrast Ratio	1000:1	2500:1	800:1	5000:1	1000:1
Touchscreen	5-Wire Resistive and P-cap	5-Wire Resistive and P-cap	P-cap	5-Wire Resistive	P-cap
Signal Interface	LVDS	LVDS	2 Channel LVDS	2 Channel LVDS	2 Channel LVDS
Backlight Life (hrs)	30,000	70,000	50,000	50,000	30,000
Durability (touches)	10 / No limit	10 / No limit	No limit	10 million	No limit
Operating Temperature	-20 ~ 70°C	-20 ~ 70°C	-20 ~ 70°C	0 ~ 60°C	0 ~ 50°C

IDK-2000 Outdoor LCD Kits

	IDK-2107	IDK-2108	IDK-2110W	IDK-2110		IDK-2115	IDK-2115W	IDK-2121W
Size	7"	8.4"	10.1"	10.4"		15"	15.6"	21.5"
Resolution	1024x600 WSVGA	800 x 600 SVGA	1280x800 WXGA	800 x 600 SVGA	1024 x 768 XGA	1024 x 768 XGA	1920 x 1080 FHD	1920 x 1080 FHD
Brightness (cd/m²)	1000	1200	1500	1200	1000	1200	1200	1200
Viewing Angle (H/V°)	170/170	160/140	170/170	160/130	176/176	178/178	170/170	178/178
Contrast Ratio	800:1	600:1	800:1	500:1	1000:1	2500:1	800:1	5000:1
Touchscreen	P-CAP	4-Wire Resistive	P-CAP	4-Wire Resistive	P-CAP	5-Wire Resistive	PCAP	P-CAP
Signal Interface	LVDS	LVDS	LVDS	LVDS	LVDS	LVDS	2 Channel LVDS	2 Channel LVDS
Backlight Life (hrs)	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000
Durability (touches)	No limit	1 million	No limit	1 million	No limit	10 million	No limit	No limit
Operating Temperature	-20 ~ 70°C	-20 ~ 70°C	-20 ~ 70°C	-10 ~ 60°C	-20 ~ 70°C	-20 ~ 70°C	0 ~ 55°C	0 ~ 60°C

IDS-3100/3200 Slim Open Frame/Panel Mount Monitors

	IDS-3106/ IDS-3206	IDS-3110/ IDS-3210	IDS-3112/ IDS-3212	IDS-3115/ IDS-3215	IDS-3117/ IDS-3217	IDS-3118W/ IDS-3218W	IDS-3119/ IDS-3219	IDS-3121W/ IDS-3221W	IDS-3127W
Size	6.5"	10.4"	12.1"	15"	17"	18.5"	19"	21.5"	27"
Resolution	640 x 480, VGA	800 x 600, SVGA 1024 x 768, XGA	800 x 600, SVGA 1024 x 768, XGA	1024 x 768, XGA	1280 x 1024, SXGA	1366 x 768, HD	1280 x 1024, SXGA	1920 x 1080, FHD	1920 x 1080, FHD
Brightness(cd/m²)	800	400/500	450/600	400/500	350	300	350	250	300
Viewing Angle(H/V°)	160/140	160/140	160/140	160/140	170/160	170/160	170/160	178/178	178/178
Contrast Ratio	600 : 1	700 : 1	700 : 1	700 : 1	800 : 1	1000:1	1000:1	1000:1	3000:1
Touchscreen	Glass and 4-Wire Resistive	5-wire Resistive and P-cap	5-wire Resistive and P-cap	5-wire Resistive and P-cap	Glass and 5-Wire Resistive	5-wire Resistive and P-cap	Glass and 5-wire Resistive	5-wire resistive and P-cap	Glass and p-cap
Backlight Life (hrs)	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	30,000
Durability	1 million touches	10/50 million touches	10/50 million touches	10/50 million touches	10 million touches	10/50 million touches	10/50 million touches	10/50 million touches	50 million touches
Operating Temperature	0 ~ 50°C	- 20 ~ 60°C	- 20 ~ 60°C	- 20 ~ 60°C	- 20 ~ 60°C	0 ~ 55°C	0 ~ 45°C	0 ~ 45°C	0 ~ 45°C
I/O Ports	VGA x 1; DVI x 1; 12 VDC Jack x 1; USB x 1	VGA x 1; DVI x 1; HDMI x 1 (selected models); 12 VDC Jack x 1; USB x 1; RS-232 x 1							VGA x 1; DVI x 1; DP x 1; 12 VDC Jack x 1; USB x 1
OSD	Keys: Power on/off, Menu/Enter, Left/Up, Right/Down, Exit/Auto, Source Menu Functions: Brightness, Contrast, Screen Setting, Color Temp, OSD Language, VGA/DVI, Reset, Auto Adjust								

IDS-3300 Industrial IP65 Monitors

	IDS-3315	IDS-3319
Size	15"	19"
Resolution	1024 x 768, XGA	1280 x 1024, SXGA
Brightness (cd/m²)	500 / 1200	350
Viewing Angle (H/V°)	176/176	170/160
Contrast Ratio	2500:1	1000:1
Touchscreen	5-Wire Resistive Touchscreen / Projected Capacitive Touchscreen	5-Wire Resistive Touchscreen / Projected Capacitive Touchscreen
Backlight Life (hrs)	70,000/50,000	50,000
Durability	10 million touches	10 million touches
Operating Temperature	- 20 ~ 60°C	-20 ~ 60° C
I/O Ports	VGA x 1; DVI x 1; HDMI x 1 12VDC Jack x 1; USB x 1; RS-232 x 1	
OSD	Keys: Power on/off, Menu/Enter, Left/Up, Right/Down, Exit/Auto, Source Menu Functions: Brightness, Contrast, Screen Setting, Color Temp, OSD Language, VGA/DVI, Reset, Auto Adjust	

Selection Guide

IDP31 Series Proflat Touch Monitors

	IDP31-101WP	IDP31-150	IDP31-150P	IDP31-156W	IDP31-156WP	IDP31-215W	IDP31-215WP
Size	10.1"	15"	15"	15.6"	15.6"	21.5"	21.5"
Resolution	1280 x 800, WXGA	1024 x 768, XGA	1024 x 768, XGA	1920 x 1080, FHD	1920 x 1080, FHD	1920 x 1080, FHD	1920 x 1080, FHD
Brightness(cd/m²)	500/1200	500	500/1200	450	450/1200	250	250/1200
Viewing Angle (H/V°)	170/170	178/178	178/178	170/170	178/178	178/178	178/178
Contrast Ratio	800:1	1500:1	1000:1	800:1	800:1	1000:1	1000:1
Touchscreen	Projective Capacitive Touch	Projective Capacitive Touch	Projective Capacitive Touch	Projective Capacitive Touch	Projective Capacitive Touch	Projective Capacitive Touch	Projective Capacitive Touch
I/O Ports	HDMI 12 VDC Jack x 1; USB x 1	HDMI x 1; VGA x 1; DVI-D x 1 Audio x 1 (audio output 3W) 12 VDC Jack x 1; USB x 1	HDMI 12 VDC Jack x 1; USB x 1	HDMI x 1; VGA x 1; DVI-D x 1 Audio x 1 (audio output 3W) 12 VDC Jack x 1; USB x 1	HDMI 12 VDC Jack x 1; USB x 1	HDMI x 1; VGA x 1; DVI-D x 1 Audio x 1 (audio output 3W) 12 VDC Jack x 1; USB x 1	HDMI 12 VDC Jack x 1; USB x 1
Surface Hardness	7H	6H	6H	6H	7H	7H	7H
Backlight Life (hrs)	50,000	50,000	50,000	50,000	50,000	30,000	50,000
Operating Temperature	-20 ~ 65 °C	-20 ~ 60 °C	-20 ~ 70 °C	-20 ~ 60 °C	-20 ~ 65 °C	0 ~ 45°C	-20 ~ 60 °C
Certification	CE, FCC, CCC	CE, FCC, CCC	CE, FCC, CCC	CE, FCC, CCC	CE, FCC, CCC	CE, FCC, CCC	CE, FCC, CCC

IDP31 with LED

	IDP31-238W	IDP31-270W
Size	23.8"	27"
Resolution	1920 x 1080	1920 x 1080
Brightness(cd/m²)	350	300
Viewing Angle (H/V°)	178/178	178/178
Contrast Ratio	1000:1	3000:1
Touchscreen	Glass and P-cap	Glass and P-cap
I/O Ports	VGA x 1; DVI x 1; DP x 1; 12 VDC Jack x 1; USB x 1	VGA x 1; DVI x 1; DP x 1; 12 VDC Jack x 1; USB x 1
Surface Hardness	6H	6H/7H
Backlight Life (hrs)	30,000	30,000
Operating Temperature	0 ~ 45° C	0 ~ 45° C
Certification	CE, FCC, CCC	CE, FCC, CCC

DSD-3000 Large Format Digital Signage Displays

	DSD-3032	DSD-3043	DSD-3055
Size	32"	43"	55"
Resolution	1920 x 1080(FHD)	1920 x 1080(FHD)	3840 x 2160(UHD)
Brightness (cd/m²)	350	500	500
Viewing Angle (H/V°)	178/178	178/178	178/178
Contrast Ratio	3000:1	4000:1	4000:1
Touchscreen	Optical Touch	Optical Touch	Optical Touch
Signal Interface	HDMI/VGA/ DisplayPort	HDMI/VGA/ DisplayPort	HDMI/VGA/ DisplayPort
Backlight Life (hrs)	50,000	50,000	50,000
Durability	10 million touches	10 million touches	10 million touches
Operating Temperature	5 ~ 45° C	5 ~ 45° C	5 ~ 45° C

DSD-5000 Stretched Digital Signage Displays

	DSD-5028	DSD-5038
Size	28"	38"
Resolution	1920 x 360	1920 x 538
Brightness (cd/m²)	700	800
Viewing Angle (H/V°)	178/178	176/176
Contrast Ratio	1200:1	4000:1
Touchscreen	N/A	N/A
Signal Interface	VGA/DVI/HDMI	VGA/DVI/HDMI
Backlight Life (hrs)	50,000	50,000
Durability	N/A	N/A
Operating Temperature	0 ~ 45° C	0 ~ 45° C

CRV Curved Multi-touch Displays

	CRV-430WP	CRV-430JP
Size	43" C type	43" J type
Resolution	3840 x 2160 UHD	
Brightness (cd/m²)	450	
Contrast Ratio	1100:1 (8ms)	
Curved Radius	1500	
Touchscreen	Multi-touch PCT(10 touches)	
Cover Glass	4mm	
Operating Temperature	0 ~ 50° C	
I/O Ports	HDMI 1.4 (2 ports), HDMI 2.0 (1 ports), DisplayPort, VGA,	

CRV Curved Multi-touch Displays with LED

	CRV-430WP	CRV-430JP
Size	43" C type	43" J type
Resolution	3840 x 2160 UHD	
Brightness (cd/m²)	450	
Contrast Ratio	1100:1 (8ms)	
Curved Radius	1500	
Touchscreen	Multi-touch PCT(10 touches)	
Cover Glass	4mm	
Operating Temperature	0 ~ 50° C	
I/O Ports	HDMI 1.4 (2 ports), HDMI 2.0 (1 ports), DisplayPort, VGA,	

Your Industrial Displays Expert

Industrial Grade and Quality

Advantech provides display solutions for industrial applications requiring greater durability and quality.

Extended Longevity and Warranty

Advantech offers a 2 year product warranty.
An extended warranty between 3 years is also available.

Global Capacity and Local Service

Advantech delivers display solutions globally with three manufacturing centers in Taiwan, China, Netherlands, and USA as well as branch offices in 23 countries.

Regional Service and Customization Centers

China	Taiwan	Netherlands	Poland	USA
Kunshan 86-512-5777-5666	Taipei 886-2-2792-7818	Eindhoven 31-40-267-7000	Warsaw 00800-2426-8080	Milpitas, CA 1-408-519-3898

Worldwide Offices

Asia Pacific

Taiwan
Toll-Free	0800-777-111
Taipei & IoT Campus	886-2-2792-7818
Taichung	886-4-2372-5058
Kaohsiung	886-7-392-3600

China
Toll-Free	800-810-0345
Beijing	86-10-6298-4346
Shanghai	86-21-3632-1616
Shenzhen	86-755-8212-4222
Chengdu	86-28-8545-0198
Hong Kong	852-2720-5118

Middle East and Africa
Israel	072-2410527
Turkey	90-212-222-0422
Turkey-Bursa	90-224-413-3134

Asia Pacific

Japan
Toll-Free	0800-500-1055
Tokyo	81-3-6802-1021
Osaka	81-6-6267-1887
Nagoya	81-0800-500-1055
Nogata	81-949-22-2890

Korea
Toll-Free	080-363-9494/5
Seoul	82-2-3660-9255

Singapore
Singapore	65-6442-1000

Malaysia
Kuala Lumpur	60-3-7725-4188
Penang	60-4-537-9188

Thailand
Bangkok	66-02-2488306-9

Vietnam
Hanoi	84-24-3399-1155
Hochiminh	84-28-3836-5856

Indonesia
Jakarta	62-21-751-1939

Australia
Toll-Free	1300-308-531
Melbourne	61-3-9797-0100

India
Bangalore	91-94-4839-7300
Pune	91-94-2260-2349

Europe

Netherlands
Eindhoven	31-40-267-7000
Breda	31-76-523-3100

Germany
Toll-Free	00800-2426-8080/81
Munich	49-89-12599-0
Düsseldorf	49-2103-97-855-0

France
Paris	33-1-4119-4666

Italy
Milan	39-02-9544-961

UK
Newcastle	44-0-191-262-4844
London	44-0-870-493-1433

Spain
Madrid	34-91-668-86-76

Sweden
Stockholm	46-0-864-60-500

Poland
Warsaw	48-22-31-51-100

Russia
Moscow	8-800-555-01-50
St. Petersburg	8-812-332-57-27
	8-921-575-13-59

Czech Republic
Ústí nad Orlicí	420-465-524-421

Ireland
Galway	353-91-792444

Americas

North America
Toll-Free	1-888-576-9668
Cincinnati	1-513-742-8895
Milpitas	1-408-519-3898
Irvine	1-949-420-2500
Ottawa	1-815-433-5100
Chicago	1-888-576-9668

Brazil
Toll-Free	0800-770-5355
São Paulo	55-11-5592-5367

Mexico
Toll-Free	1-800-467-2415
Mexico City	52-55-6275-2777

ADVANTECH
Enabling an Intelligent Planet

www.advantech.com

View online

8600000641