

ADVANTECH

Enabling an Intelligent Planet

Advantech Display Solution

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Edge Computing &
AI-Powered WISE Solutions



Advantech Display Facility

Panel enhancement

- Large format lamination & IC tools for panel enhancement



Optical bonding equipment

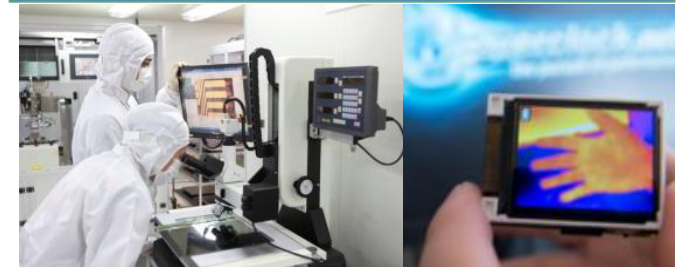
- Wet and Dry Optical Bonding & De-bubble for perfect optics



Industrial Display systems Made in Taiwan HQ

Optical analysis

- High Power Optical & Thermal Tools For design verification



Test & validation

- Optical performance
- LCD /touch inspection
- QC control

Advantech display solution Offering

Advantech can do

- ✓ Long lifecycle, minimum 3 years to 10 years (mainstream)
- ✓ Flexible BOM selection: LCD, Touchscreen, AD board,
- ✓ Custom solutions: LED light, wide temp, high bright, wide range DC, thermal design, cables, FW, metal, housing, AD board design
- ✓ Production mainly in TW
- ✓ Certification compliance: CE/FCC. UL-62368, 60601 IEC61010
- ✓ Global logistic: Drop ship to global CM
- ✓ One stop shop, fully compliant with Advantech computing system (X86, RISC)

Industrial Display Systems Portfolio



	Industrial Touch Panel Kits	Industrial Monitors			ProFlat Monitors	Digital Signage	Curved Touch Monitors
Product series	IDK-1000 (Indoor) IDK-2000 (Outdoor)	IDS-3100	IDS-3200	IDS-3300	IDP31 Series	DSD-3000 DSD-5000 (Stretched)	CRV Series
Highlighted Features	• High compatibility • Semi-industrial series available	Open Frame	Panel Mount	IP65	• Flat Design • IP65/IP67 • LED series available	• Large Format • Information Displays	• Gaming-Specific • Curved C-type and J-type
Sizes	5.7" ~ 21.5"	6.5" ~ 27"	6.5" ~ 21.5"	15" / 19"	10.1 ~ 21.5 23.8 / 27 (w/LED)	32" ~ 55" 28" / 38" (Stretched)	43"
Brightness	250 ~ 1200 nits	250 ~ 800 nits	250 ~ 800 nits	350 ~ 1200 nits	500 ~ 1200 nits	350 ~ 800 nits	450 nits
Touch Screen	Resistive / PCAP	Resistive / PCAP	Resistive / PCAP	Resistive / PCAP	PCAP	Optical Touch	PCAP
Best-Selling Models	IDK-1107W IDK-1110WP	IDS-3115P	IDS-3215R	IDS-3319	IDP31-215W	DSD-3055	CRV-430JP
Value-added Technologies and Benefits	• Optical Bonding: Enhances visibility and clarity • High Brightness: Enhances sunlight readability • Wide Temperature: Customized -40 ~ +85°C as needed • UV-Resistant: Preserves optical performance • Display Enhancements (AG/AR/AF): Improved user experience • Water- and Dustproof: IP65~IP67 front design • Impact Protection: IK08 vandal-resistant cover glass with customized strength • Color Gamut Calibration: Optimizes color performance • Display Panel Resizing: Offers greater design flexibility • Precision Touch Firmware Fine-tuning: Ensures high sensitivity with gloves • DTOS Services: Full customization						

Sector-Driven Display Solutions:

Recommended and Widely Adopted Value-Added Technologies

- ✓ Primary
- ✓ Extended

							
	AMR & Robotics	Medical	Factory Automation	Kiosks	Outdoor / EV	Digital Signage	Gaming
Recommended Solutions	IDK Series	IDK Series IDP31 Series IDS-31 Series	IDS-31 Series IDS-32 Series IDP31 Series	IDS-31 Series IDP31 Series	IDP31 Series	DSD Series	CRV Series IDP31 Series
Optical Bonding	✓	✓	✓	✓	✓	✓	✓
High Brightness	✓	✓			✓	✓	✓
Wide Temperature Range			✓		✓	✓	
UV-Resistant					✓	✓	
Display Enhancements (AG/AR/AF)	✓	✓	✓		✓	✓	
Water- and Dustproof IP65/IP67 Front Design	✓	✓	✓		✓	✓	
IK08 Impact Protection	✓		✓	✓	✓		✓
Precision Touch Firmware Fine-tuning	✓	✓					
Others	-	EMI Shielding ESD Protection	-	-	-	Display Panel Resizing	Color Gamut Calibration / Curved

Recommended Applications for Semi-Industrial Displays

Built for Reliability

Smart resource allocation with **strategic component selection** achieves uncompromising product reliability.



Factory Automation

Boost efficiency and uptime of HMIs for production lines, control panels, and monitoring systems with displays built to endure typical industrial environments.



Medical Test Equipment

Deliver precise visual clarity to ensure accurate data interpretation with stable, clear, and durable display systems.

Product Selection Guide: Semi-Industrial Series

IDK-1000WP Display Kit

	IDK-1107WP	IDK-1110WP	IDK-1113WP	IDK-1115WP
Size	7"	10.1"	13.3"	15.6"
Resolution	1024 x 600	1280 x 800	1920 x 1080	1920 x 1080
Brightness (cd/m ²)	500	500	300	500
Viewing Angle (H/V°)	130/160	170/170	178/178	178/178
Contrast Ratio	800:1	1000:1	600:1	1000:1
Touchscreen	P-CAP	P-CAP	P-CAP	P-CAP
Signal Interface	LVDS	LVDS	eDP	eDP
Backlight Life (hrs)	30,000	30,000	30,000	50,000
Durability (touches)	No limit	No limit	No limit	No limit
Op. Temperature	-20 ~ 70°C	-20 ~ 70°C	0 ~ 50°C	0 ~ 60°C



IDP31 Proflat/IDS Open Frame & Panel Mount Touch Monitors

	IDP31-101WP	IDP31-156WC	IDP31-215WP	IDS-3117	IDS-3217
Size	10.1"	15.6"	21.5"	17"	17"
Resolution	1280 x 800, WXGA	1920 x 1080, FHD	1920 x 1080, FHD	1280 x 1024, SXGA	1280 x 1024, SXGA
Brightness (cd/m ²)	500	450	250	350	350
Viewing Angle (H/V°)	170/170	178/178	178/178	170/160	170/160
Contrast Ratio	800:1	800:1	1000:1	800:1	800:1
Touchscreen	Projective Capacitive Touch	Projective Capacitive Touch	Projective Capacitive Touch	5-Wire Resistive	Glass and 5-Wire Resistive
I/O Ports	HDMI 12 VDC Jack x 1; USB x 1	USB-Cx1;HDMI x1 ;DP x1; 12VDC jack x1	HDMI 12 VDC Jack x 1; USB x 1	VGA x 1; DVI x 1;12 VDC Jack x 1; USB x 1; RS-232 x 1	VGA x 1; DVI x 1;12 VDC Jack x 1; USB x 1; RS-232 x 1
Surface Hardness	7H	7H	7H	3H	3H
Backlight Life (hrs)	50,000	50,000	50,000	50,000	50,000
Op. Temperature	-20 ~ 65 °C	0 ~ 60 °C	-20 ~ 60 °C	-20 ~ 60 °C	- 20 ~ 60°C
Certification	CE, FCC, CCC	CE, FCC, CCC	CE, FCC, CCC	CE, FCC, CCC	CE, FCC, CCC



Medical Test Equipment: Intuitive Operation with Embedded Display Systems

To deliver high-quality and responsive patient care, medical test equipment is increasingly tasked with **presenting complex and diverse information** beyond just test results.

Incorporating *embedded displays* into medical test equipment enables **customized display performance and touch sensitivity**, enhancing both **functionality and user experience**. Additionally, the embedded design saves space and allows for flexible patient diagnostic testing.



Simplicity

Intuitive and easy-to-use interfaces with integrated touchscreen design, requiring little professional operating skills



Graphic & Visual Displays

Optimized color performance enhances the presentation of test results, measurement sequences, and user menus, improving information accuracy and accessibility



Compact or Easily Movable

Small or lightweight design saves laboratory space or allows for on-site patient testing.

Common Medical Test Equipment with Embedded Display Systems



In-Vitro Diagnostics (IVD) Equipment

Designed for specific diagnostic methods, including a range of equipment like chemistry and hematology analyzers.



DNA-Based Analytical Equipment

Sequence, analyze, or prepare genetic information using sequencing, microarrays, or ultracentrifuges for personalized medicine and genetic testing.



Ophthalmic Equipment

Assess eye health and vision using devices such as autorefractors and OCT scanners for applications like diagnosing glaucoma and macular degeneration.



Veterinary Diagnosis

Combines multifunctional tests in one device, meeting a wide range of veterinary diagnosis needs.

Key Features for Choosing Displays for Medical Test Equipment



Wide Viewing Angle

IPS panel with wide viewing angle, supporting high contrast and transparency



Anti-Fingerprint Surface Coatings

Ensures precision and smooth touch screen operation



EMI Shielding

Excellent noise immunity (CS10V) to avoid interference for precise operation



P-CAP Touch Screen

Supports fine-tuned P-CAP touch firmware, ensuring high sensitivity with medical rubber gloves



ESD Protection

Excellent ESD protection supports discharge (8 kV contact / 15 kV air gap) to avoid malfunctions

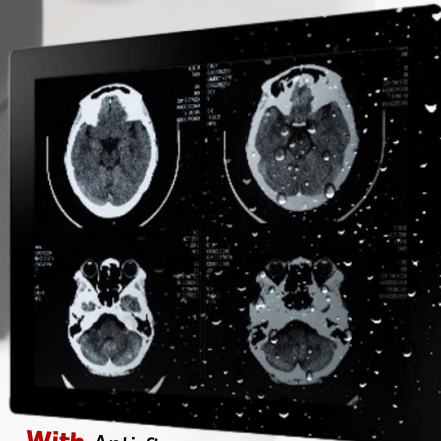


Reliability

Improved reliability with up to 70,000 hours of backlight lifetime to maximize system uptime



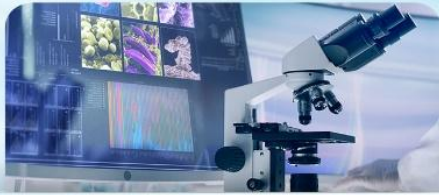
Without Anti-fingerprint Surface Coating



With Anti-fingerprint Surface Coating

Key Features for Choosing Displays in Medical Test Equipment

Field-Specific Value-Added Requirements



**Medical Image
Analysis Applications**



Aseptic Rooms



**Labs Require Higher
Illumination Levels**

Optical Bonding with high transmittance delivers consistent and outstanding color performance to ensure diagnostic accuracy.

Durable **IP65-rated front frame** with optional **toughened protective glass** withstands regular sterilization and cleaning procedures.

Ultra High Brightness 1200 nits enhancement, **Anti-Glare (AG)**, **Anti-Reflective (AR)** surface coatings.

Anti-Glare Surface Coating



Without AG Coating

With AG Coating

More Optional Add-Ons



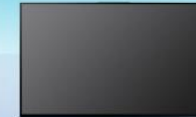
**Customizable
front frame logo**



**Multiple signal
input support**



**Fluid-resistant
precision touch firmware**



**Customized narrow bezel
(min. 8mm width)**

Recommended Products Series for Medical Test Equipment



Compact

IDK Display Kit

- Flexible size 7" ~ 21.5"
- Full touch cover glass and logo customization
- LVDS interface support

IDK-1107W



IDK-1110WP



Bezel-less

IDP31 ProFlat

- Flat hygienic surface
- Slim IP67-rated design
- Standalone and VESA mounting

IDP31-215W



Install-friendly

IDS-31 Open Frame

- Multiple touch / glass options
- Wide temp. support
- Easy mounting for system enclosures

IDS-3115P



Recommended Product Series: **IDK Display Kits**

Compared to other semi-industrial solutions available on the market, Advantech's industrial-grade and semi-industrial display kits **prioritize the use of *industrial-grade open cells and ICs* with longevity support**, ensuring the provision of high-quality and cost-effective display kit solutions.



Industrial-grade Display Kit Series

- Rugged design
- Thicker temper glass
- High Brightness

Industrial-grade

Industrial-grade with longevity support

89° / 89° / 89° / 89° ★★

50,000 hrs ★★

LVDS, compliant with x86 system

By request

- IDK-1107W: IDK-1107WP-50WVB1
- IDK-1110W: IDK-1110WP-50XGB2

Features

Open Cell

IC

Viewing Angle

Backlight Lifetime

Interface

Optical Bonding

Part No.

Semi-Industrial Display Kit Series

- Cost-effective
- Slim bezel
- Thin thickness & lightweight

Industrial-grade

Industrial-grade with longevity support

85° / 85° / 85° / 85° ★

30,000 hrs ★

LVDS, compliant with x86 system

- 10.1": Implemented for metal-free frame design
- 7": By request

- IDK-1107WP: IDK-1107WP-50WSC1
- IDK-1110WP: IDK-1110WP-50WXC1

Product Selection Guide

IDK-1000WP Display Kit (Semi-Industrial)

	IDK-1107WP	IDK-1110WP	IDK-1113WP	IDK-1115WP
Size	7"	10.1"	13.3"	15.6"
Resolution	1024 x 600	1280 x 800	1920 x 1080	1920 x 1080
Brightness (cd/m ²)	500	500	300	500
Viewing Angle (H/V°)	130/160	170/170	178/178	178/178
Contrast Ratio	800:1	1000:1	600:1	1000:1
Touchscreen	P-CAP	P-CAP	P-CAP	P-CAP
Signal Interface	LVDS	LVDS	eDP	eDP
Backlight Life (hrs)	30,000	30,000	30,000	50,000
Durability (touches)	No limit	No limit	No limit	No limit
Op. Temperature	-20 ~ 70°C	-20 ~ 70°C	0 ~ 50°C	0 ~ 60°C



Product Selection Guide

IDP / IDS Touch Monitors (Semi-Industrial)



	IDP31-101WP	IDP31-156WC	IDP31-215WP	IDS-3117	IDS-3217
Size	10.1"	15.6"	21.5"	17"	17"
Resolution	1280 x 800, WXGA	1920 x 1080, FHD	1920 x 1080, FHD	1280 x 1024, SXGA	1280 x 1024, SXGA
Brightness (cd/m ²)	500	450	250	350	350
Viewing Angle (H/V°)	170/170	178/178	178/178	170/160	170/160
Contrast Ratio	800:1	800:1	1000:1	800:1	800:1
Touchscreen	Projective Capacitive Touch	Projective Capacitive Touch	Projective Capacitive Touch	5-Wire Resistive	Glass and 5-Wire Resistive
I/O Ports	HDMI 12 VDC Jack x 1; USB x 1	USB-Cx1;HDMI x1 ;DP x1; 12VDC jack x1	HDMI 12 VDC Jack x 1; USB x 1	VGA x 1; DVI x 1;12 VDC Jack x 1; USB x 1; RS-232 x 1	VGA x 1; DVI x 1;12 VDC Jack x 1; USB x 1; RS-232 x 1
Surface Hardness	7H	7H	7H	3H	3H
Backlight Life (hrs)	50,000	50,000	50,000	50,000	50,000
Op. Temperature	-20 ~ 65 °C	0 ~ 60 °C	-20 ~ 60 °C	-20 ~ 60 °C	- 20 ~ 60°C
Certification	CE, FCC, CCC	CE, FCC, CCC	CE, FCC, CCC	CE, FCC, CCC	CE, FCC, CCC

Product Selection Guide

IDK-1000 Display Kit (Industrial-Grade)



	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/m ²)	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
Op. 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/m ²)	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 million / No limit	10 million / No limit	No limit	10 million	No limit
Op. Temperature	-20 ~ 70°C	-20 ~ 70°C	-20 ~ 70°C	0 ~ 60°C	0 ~ 50°C

Product Selection Guide



IDP31 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/m ²)	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
Op. 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

Product Selection Guide



IDS-3100 Open Frame Monitors / IDS-3200 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	10/50 million	10/50 million	10/50 million	10 million	10/50 million	10/50 million	10/50 million	50 million
Op. 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								

Industrial Display Systems: Enhancing Operational Efficiency and the Accuracy of AMRs



Medication Delivery

Hospital AMRs with displays ensure accurate medication delivery with patient and dosage information.



Agricultural Operations

Field AMRs use sensors and displays for real-time data and recommendations for optimal crop management.



Manufacturing Plants

AMRs optimize assembly lines with displays for instructions, parts, and real-time production updates.



Retail Sites

The scrubber dryer is equipped with a touch display for easy setting and navigation.

Trends in AMR & Robotics Applications: Small Displays

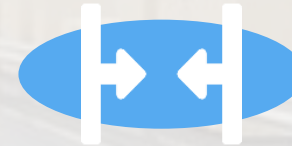
Focused Information

In many fields of application, AMRs often perform specific tasks with minimal interaction. Small displays **efficiently convey essential information** such as task instructions, battery levels, or navigation cues.



Space Constraints

Warehouse aisles, factory floors, and retail spaces often have limited space. Smaller displays **minimize their footprints and maintain a streamlined design**.



Cost Efficiency

Smaller displays are typically more affordable than their larger counterparts, making them a **budget-friendly option** for AMR deployment.



Key Considerations for Choosing Displays in AMR & Robotics

Input Methods

Touchscreen

Ideal for navigating menus and selecting options

Display Size and Resolution

Optimal Size: 7"~10.1"

Ideal for AMRs to balance the display of information within space constraints

High Resolution and Readability

Ensures clear text and graphics, even in challenging lighting conditions or when viewed from a distance

Durability and Environmental Resistance

IP Rating

Compliance with IP ratings against dust, water, and other environmental hazards

Shock and Vibration Resistance

Crucial for mobile applications to withstand shocks and vibrations encountered during operation

Operating Temp. Range

Verification of the display's ability to operate reliably within the temperature extremes of specific application fields

Key Considerations for Choosing Displays in AMR & Robotics

Industry-Specific Requirements



Warehouses

Displays must be bright enough for **visibility in dimly lit environments**, with **high resistance** to dust, debris, and impacts.



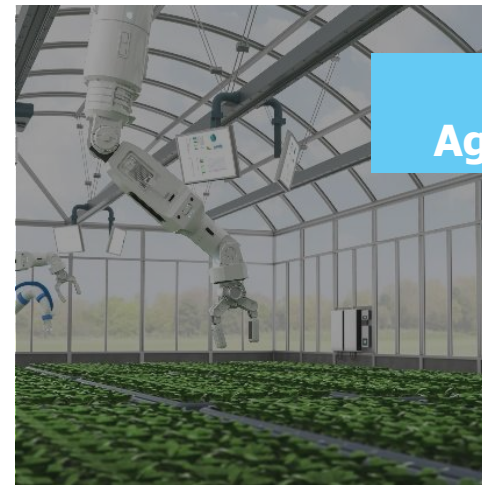
Factory Automation

Displays with a **wide operating temperature range** are essential to handle changes in **environmental conditions**.



Retail

Opt for displays with a **sleek, aesthetically pleasing design** that **integrate seamlessly** into retail spaces.



Smart Agriculture

Prioritize displays that **prevent ingress and function reliably** in **dusty or wet** environments.

Recommended Products: Industrial Touch Panel Kits

Compact size for
easy integration



High compatibility with
Advantech embedded boards
and other existing systems



In-house optical bonding
technology **for superior**
clarity and environmental
resistance



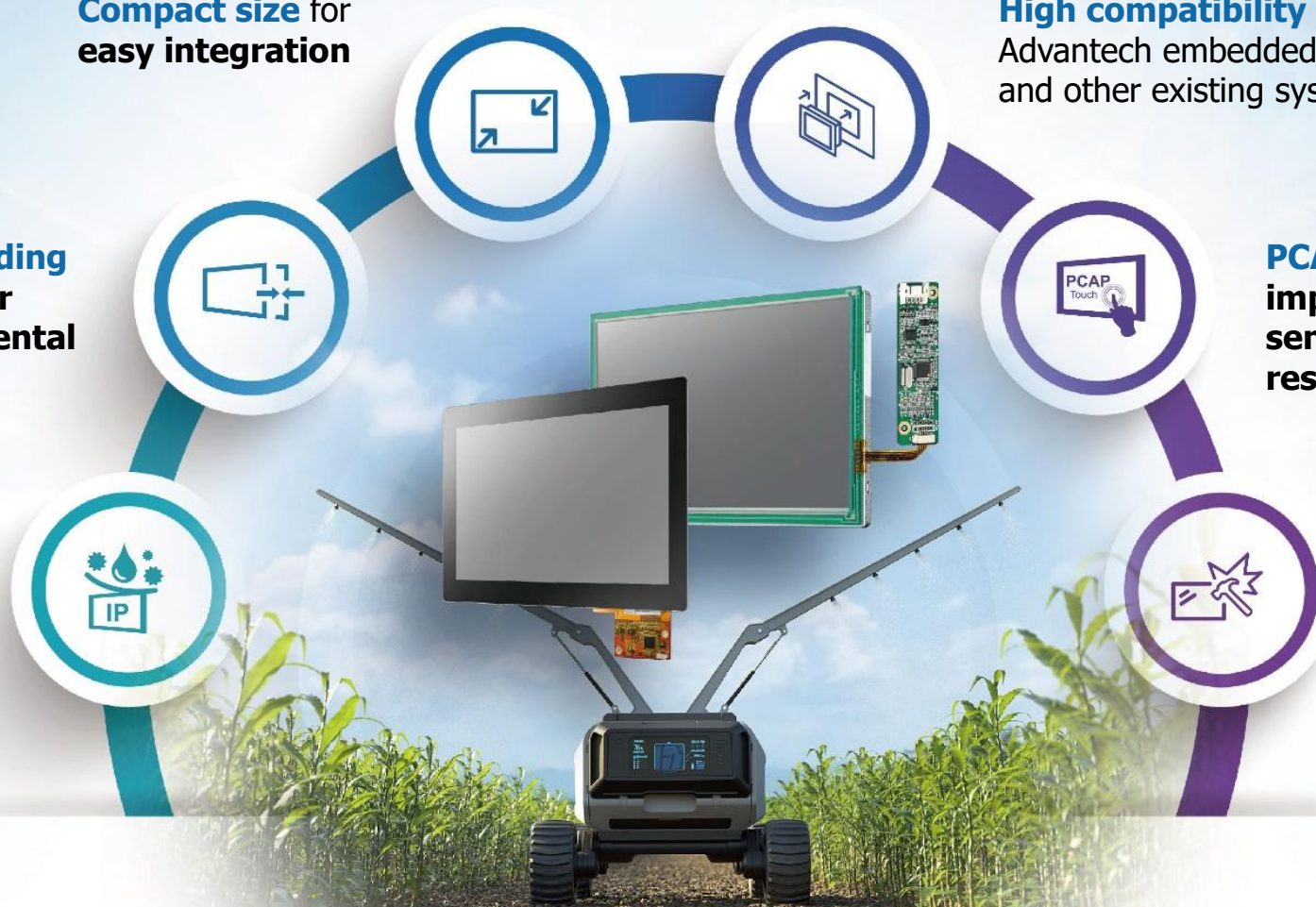
PCAP touch integrated to
improve touch
sensitivity and dust
resistance



IP65-compatible design
with black frame for
seamless integration of
waterproof solutions

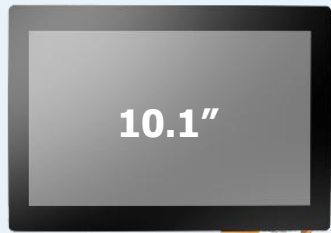
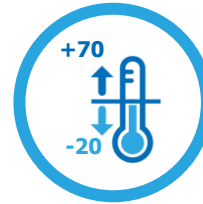


Rugged design with
bonding technology or
toughened safety glass
reduces the risk of injury
from surface breakage



Recommended Products:

Industrial Touch Panel Kits



Industrial Display Kit
IDK-1000 Series

IDK-1110WP

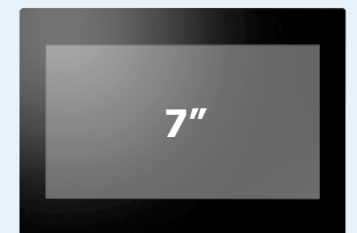


IDK-1107W



High Brightness Display Kit
IDK-2000 Series

IDK-2110WP



IDK-2107W



Product 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/m ²)	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
Op. 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/m ²)	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
Op. Temperature	-20 ~ 70°C	-20 ~ 70°C	-20 ~ 70°C	0 ~ 60°C	0 ~ 50°C

Product Selection Guide



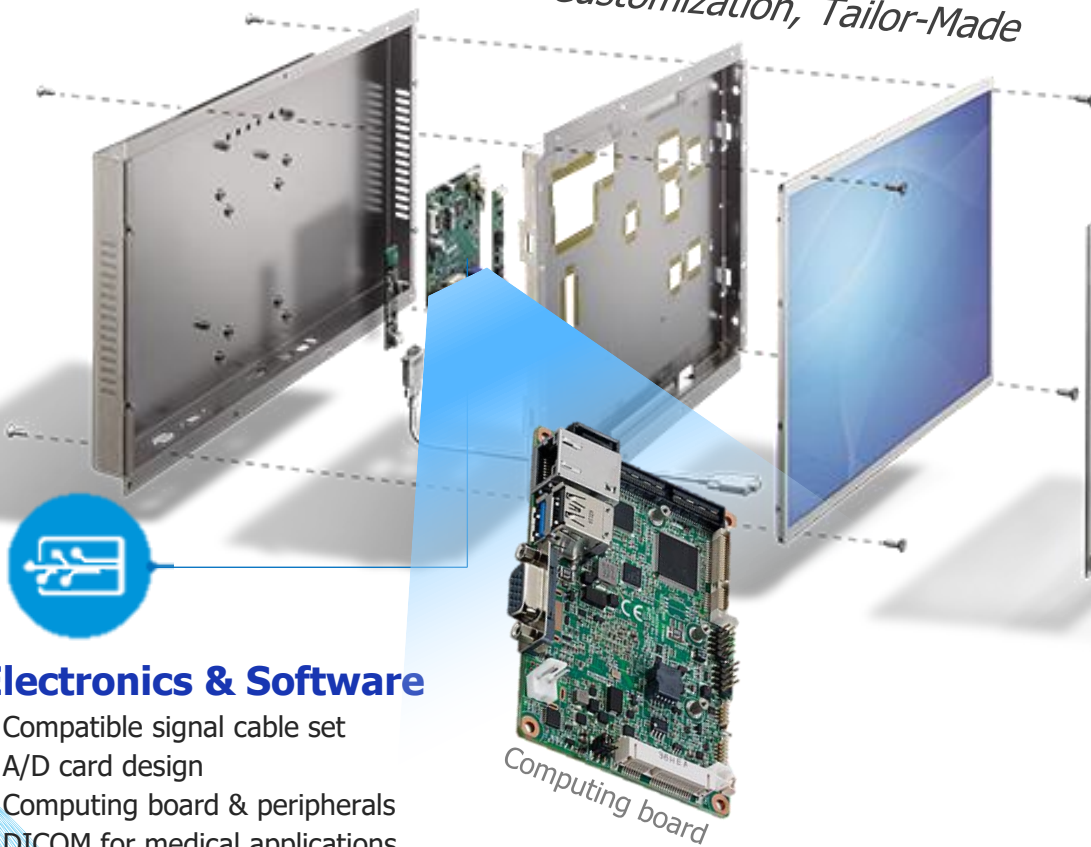
IDK-2000 Outdoor LCD Kits

	IDK-2107W	IDK-2108	IDK-2110W	IDK-2110		IDK-2112P	IDK-2115	IDK-2115W	IDK-2121W
Size	7"	8.4"	10.1"	10.4"		12.1"	15"	15.6"	21.5"
Resolution	1024 x 600, WSVGA	800 x 600, SVGA	1280 x 800, WXGA	800 x 600, SVGA	1024 x 768, XGA	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	1200
Viewing Angle (H/V°)	170/170	160/140	170/170	160/130	176/176	178/178	178/178	170/170	178/178
Contrast Ratio	800:1	600:1	800:1	500:1	1000:1	1000:1	2500:1	800:1	5000:1
Touchscreen	P-CAP	4-Wire Resistive	P-CAP	4-Wire Resistive	P-CAP	P-CAP	5-Wire Resistive	PCAP	P-CAP
Signal Interface	LVDS	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	50,000
Durability (touches)	No limit	1 million	No limit	1 million	No limit	No limit	10 million	No limit	No limit
Op. Temperature	-20 ~ 70°C	-20 ~ 70°C	-20 ~ 70°C	-10 ~ 60°C	-20 ~ 70°C	-20 ~ 70°C	-20 ~ 70°C	0 ~ 55°C	0 ~ 60°C

Leading Technologies & Customization Capabilities

Industrial Display Design-to-Order Service

Full Customization, Tailor-Made



Electronics & Software

- Compatible signal cable set
- A/D card design
- Computing board & peripherals
- DICOM for medical applications

Computing board



Optical Enhancements

- High brightness up to 2,000 cd/m²
- Optical bonding
- Anti-glare (AG), Anti-Reflective (AR), and Anti-Fingerprint (AF) coating
- Privacy and polarizing filters



Mechanical Design

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



Touch & Integration

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

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Edge Computing &
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