

PRODUCTS CATALOGUE

Your Reliable ECO-Friendly Display Terminal Partner



COMPANY PROFILE

Techtion Smart is affiliated to Shenzhen Leadtek Electronics Co., Ltd. (referred to as Leadtek), and is the complete machine division founded by Leadtek in 2024. Relying on the technology, resources and management experience accumulated by Leadtek since its establishment in 2015, Techtion Smart provides customers with tailor-made low-carbon and environmentally friendly touch display terminal solutions.

Our strategic positioning: to accelerate the digital transformation of industries in various fields with low-carbon, energy-saving and eye-protection new display technologies, and to promote digital, economic innovation and sustainable development. We design Industrial Panel PC, Industrial Monitor, Rugged Panel PC, Outdoor Panel PC ,Digital Signage for vertical markets, with sizes ranging from 7 inch to 110 inch. Our products are mainly used in smart transportation, smart industry.



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COMPANY INTRODUCTION

01 Business Philosophy

- ▶ Leading High-Quality Development with Technology Innovation.

02 Company Culture

- ▶ Vision:
Display Green Smart Life
- ▶ Core Value:
Integrity, Sharing, Shared Responsibility, Win-Win
- ▶ Mission:
Your Reliable ECO-Friendly Display Terminal Partner

03 Company Advantages

- ▶ Product: Our product roadmap is aligned with future industry and market trends, offering full-range customization with display sizes from 7 to 110 inches.
- ▶ Resources: With strong resource integration capabilities, we optimize the allocation of diverse resources to improve efficiency and reduce overall costs.
- ▶ Certification: Our complete product portfolio is fully compliant with international standards and certified with RoHS, CE, FCC, EN50155, and other global certifications.
- ▶ Service: Flexible, Efficient, Professional service.

PRODUCTS: STRETCHED SERIES

Rugged Panel PC (Local Dimming Display)



Product Usage:

- Bus Stops PID
- Mall Directories
- Park Guidance Signs



Features



Brightness: 2500 nits, Sunlight Readable



I/O Ports: LAN, Wi-Fi, 4G, USB, HDMI, etc.



Mainboard: ARM



Tempered Glass: Anti-reflective/AG



IP Rating: IP65 Front Panel, IP54



Resolution: 1920*290



Viewing angle up to 178°, close to horizontal



Ultra Low Power Consumption:
336 zones, dynamic local dimming, 30 – 40% energy saving



Industrial-grade design



OS: Android / Linux



Contrast Ratio: 100000:1



Installation: Wall Mount/Hanging



Operating Temperature: -20°C ~ 70°C

PRODUCTS: STRETCHED SERIES

Rugged Panel PC (ChLCD Display)



29.0"

Product Usage:

- Outdoor Bus Stops PID
- Outdoor Metro Stations PID



Features



Sunlight Readable



Reflective Display: clear under direct sun, visible in the dark with built-in front light



Mainboard: ARM



Tempered Glass: Anti-UV and IR Blocking



IP Rating: IP65



Bistable Tech — image persistence and micro-power consumption



Eye-friendly



Resolution: 1920*650



Two screens, Two Modes: sync or split



Solar/Battery Powered — zero cabling, zero mains draw (Low-Power)



OS: Android



IK Rating: IK06 - IK10



Installation: Side-mounted/Hanging



Operating Temperature: -30°C ~ 85°C

PRODUCTS: STRETCHED SERIES

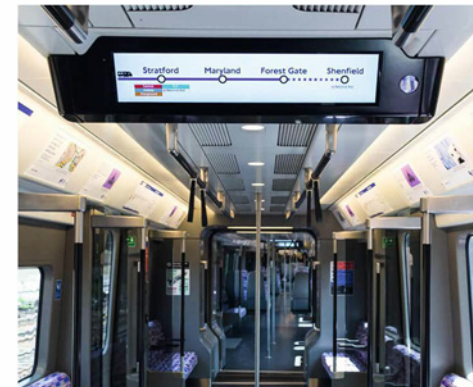
Rugged Panel PC (Stretched Bar Display)



28.6"

Product Usage:

Passenger Information Display (Bus / Metro)



Features



Brightness: 350-500cd/m² (typ), Sunlight Readable



I/O Ports: LAN, TF, Speaker, Audio, HDMI-OUT, USB, COM, DC, etc.



Mainboard: ARM



Backlight Lifespan: 50,000 Hours



Shock and Vibration Resistant Design



Multifunctional Information Display:
Can Simultaneously Display Route Information and City Advertisements



Available Sizes: 28.6"/29"/36.6"/37.6"/47.6"



Voltage: DC24V (Support DC9-36V)



Resolution: 1920*560



Can be Connected to In-Vehicle Content Management System (CMS)
and Control System for Dynamic Updates



OS: Android/Linux



Protection Level: IK05-IK07



Installation: Hinged Hanging Bracket (Foldable)



Operating Temperature: 0~60°C

PRODUCTS: CHLCD SERIES

|| Digital Signage (ChLCD Displays)



31.5"

Product Usage:

Suitable for indoor PIDS applications

- Airport Ticketing Displays
- Metro/Bus Stations



Features



Sunlight Readable



I/O Ports: Ethernet, Wi-Fi, 4G(Optional), USB, etc.



Mainboard: ARM



Tempered Glass: Optical Bonding + Anti-UV and IR Bolcking



IP Rating: IP65



Eye-Friendly



Resolution:1920*1080



Ultra-Low Power Consumption: Relies on Ambient Light Display Day and Night



Lithium Battery Option(Low-Power)



All Metal Body — EMI, magnetic & radiation shielded.



OS: Android



IK Rating: IK05-IK07



Operating Temperature: -30°C~80°C



Bistable Tech — image persistence and micro-power consumption

PRODUCTS: CHLCD SERIES

Outdoor Panel PC (ChLCD Display)



Product Usage:

Passenger Information Display

- Metro/Bus Station
- Parks/Squares



Features



Sunlight Readable (Built-in Front Lighting for Nighttime Visibility)



I/O Ports: Ethernet, Wi-Fi, 4G (Optional), USB, HDMI, etc



Mainboard: ARM



Tempered Glass: Optical Bonding + Anti-UV and IR Bolcking



IP Rating: IP65



Eye-Friendly



Bistable Tech — image persistence and micro-power consumption



Braille Buttons, Voice Prompts, Customizable Keys



Solar Power Option with Lithium Battery Support(Low-Power)



Display Options: Single-screen or dual-screen (Side-by-Side)



OS: Android



IK Rating: IK08-IK10



Resolution: 1024*768 Contrast: 9.5:1/ Reflectance: 19%



Operating Temperature: - 30~80℃

PRODUCTS: CHLCD SERIES

Outdoor Panel PC (ChLCD Display)



31.5"

* Display equipped with Braille buttons

Product Usage:

- Bus Stops PID
- Parks/Squares Information Displays



Features



Sunlight Readable (Built-in Front Lighting for Nighttime Visibility)



I/O Ports: Ethernet, Wi-Fi, 4G (Optional), USB, HDMI, etc



Mainboard: ARM



Tempered Glass: Optical Bonding + Anti-UV / Anti-IR



IP Rating: IP65



Wide Viewing Angle & Eye-Friendly



Bistable Tech — image persistence and micro-power consumption



Braille Buttons, Voice Prompts, Customizable Keys



Solar Power Option with Lithium Battery Support(Low-Power)



Shock & Vibration Resistant for Harsh Environments



OS: Android



IK Rating: IK08-1K10



Resolution: 1080*1920 / Contrast: 5.5:1 / Reflectance: 19.5%



Operating Temperature: - 30~80°C

PRODUCTS: OF SERIES

Outdoor Panel PC (High Brightness Display)



32.0"

Product Usage:

- Public Transportation Information Display
- Outdoor Advertising and Commercial Information Display
- Intelligent Transportation and Road Information Display
- Tourist Attraction Navigation Display, etc.



Features



Sunlight Readable



Automatic Brightness Adjustment (with Light Sensor)



Mainboard: AD Board / ARM / X86



Tempered Glass: Anti-UV and IR Blacking



I/O Ports : Ethernet,Wi-Fi,4G,USB,RS232,RS485,HDMI, etc.



Brightness: 1000-2500 nits



IP Rating: IP65



Available Sizes: 15.6"/21.5"/32"/43"/55" (TFT-LCD)



Touch(PCAP): Waterproof Touch and Glove Touch (EETI IC)



OS: Windows / Android / Linux



Backlight Lifespan: 50,000 Hours



IK Rating: IK08-IK10



Optical Bonding



Installation: Edge/Open-Frame



Operating Temperature: -20~70°C

PRODUCTS: E-PAPER SERIES

Outdoor Panel PC (E-Paper Display)



31.2"

Power Consumption

Status	13.3 inch	28 inch	31.2 inch
Turn On Front Light	Typ: 4.34 W	Typ: 4.34 W	Typ: 5.48 W
	Typ: 4.04 W	Typ: 4.04 W	Typ: 4.48 W
Turn Off Front Light	Typ: 3.5 W	Typ: 3.5 W	Typ: 4.2 W
	Typ: 3.2 W	Typ: 3.2 W	Typ: 3.2 W



Features



Sunlight Readable



I/O Ports : Ethernet, Wi-Fi, 4G, USB, etc.



Mainboard: ARM



Tempered Glass: Anti-UV and IR Blocking



Front Panel: IP65



Eye-Friendly



Available Sizes: 13.3"/28"/31.2"/42"



Monochrome/Black and White



Ultra-Low Power Consumption:
Uses Ambient Light During the Day, Automatically Turns on Front Light at Night



Optional: Solar Power Supply (Built-in Battery needs to be Purchased Separately)



OS: Android



IK Rating: IK08-IK10



Installation: VESA/Side/Bottom



Operating Temperature: - 15~65℃

PRODUCTS: LD SERIES

Outdoor Panel PC (Local Dimming Display)



43.0"

Product Usage:

- Public Transportation Information Display
- Outdoor Advertising and Commercial Information Display
- Intelligent Transportation and Road Information Display
- Tourist Attraction Navigation Display, etc.



Features



Sunlight Readable



Automatic Brightness Adjustment (with Light Sensor)



Mainboard: AD Board / ARM / X86



Tempered Glass: Anti-UV and IR Blacking



I/O Ports : Ethernet, Wi-Fi, 4G, USB, HDMI, etc.



Brightness: 2000-5000 nits



Colour Gamut (NTSC Ratio): 85-105%



IP Rating: IP66



Available Sizes: 15.6"/21.5"/27"/32"/43"/55"/65"/75"



Dynamic Ultra-Low Power Consumption (Average Energy Saving of 35%)



Touch(PCAP): Waterproof Touch and Glove Touch (EETI IC)



OS: Windows/Android/Linux



Local Dimming: 1152 Zones



Contrast Ratio: 100000:1



Backlight Lifespan: 50,000 Hours



IK Rating: IK10



Optical Bonding



Operating Temperature: - 20~70°C

PRODUCTS: STAINLESS STEEL SERIES

Industrial Panel PC & Industrial Monitor (TFT-LCD Display/High Brightness Display)



Product Usage:

- Outdoor Self-Service Terminals (Car washes, Gas Stations)
- Marine Vessel Control Terminals
- Outdoor Information and Advertising Signage
- Outdoor Construction Machinery, etc.



Features



Sunlight Readable



Automatic Brightness Adjustment (with Light Sensor)



Mainboard: AD Board / ARM / X86



Tempered Glass: Anti-UV and IR Blacking



I/O Ports : Ethernet,Wi-Fi,4G,USB,RS232,RS485, etc.



Brightness: 1000-2500 nits



IP Rating: IP67-IP69



Available Sizes: 15.6"/17"/21.5"/32"/43"/55"



Low Power Consumption



Corrosion-Resistant and Durable Stainless Steel Construction



Touch(PCAP): Waterproof Touch and Glove Touch (EETI IC)



OS: Windows / Android / Linux



Backlight Lifespan: 50,000 Hours



IK Rating: IK08-1K10



Optical Bonding



Installation: VESA/Desktop Stands/Floor Stands



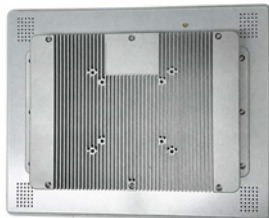
Operating Temperature: - 20~70°C

PRODUCTS: J SERIES

Industrial Monitor (TFT-LCD Display/High Brightness Display)



15.0"



Product Usage:

- Equipment Operation Terminals (HMI)
- Factory Production Lines
- Industrial Control Cabinets
- Power & Energy Facilities
- Ports & Logistics



Features



Rugged Industrial-Grade Design — Aluminum Frame + Sheet Metal Enclosure



Mainboard: AD Board



3 mm Anti-Glare (AG) Tempered Glass



I/O Ports: DVI, VGA, HDMI, Audio, DC Input



Brightness: 350-500 nits (High-Brightness Option Available)



Front Panel: IP65



Available Sizes (TFT-LCD):
10.1" / 10.4" / 12.1" / 13.3" / 15" / 15.6" / 17" / 19" / 21.5"



Power Input: DC 9-36V (Wide Voltage Range)



Touch (Optional): PCAP (G+G), 10-Point Touch, 7H Surface Hardness, Transmittance >80%



Resolution: 1024*768



Backlight Lifespan: 50,000 Hours



24/7 Operation



Installation: VESA/Wall-mount/Desktop/Embedded



Operating Temperature: -20~70°C

PRODUCTS: J SERIES

Industrial Panel PC (TFT-LCD Display/High Brightness Display)



Product Usage:

- Equipment Operation Terminals (HMI)
- Factory Production Lines
- Industrial Control Cabinets
- Power & Energy Facilities
- Ports & Logistics



Features



Industrial-Grade Design — Aluminum Frame
+ Sheet Metal Enclosure + Tempered Glass



Mainboard: X86



3 mm Anti-Glare (AG) Tempered Glass



I/O Ports: HDMI, DC IN, USB, LAN, COM, etc.



Brightness: 350-500 nits (High-Brightness Option Available)



Front Panel: IP65



Available Sizes (TFT-LCD):
10.1" / 10.4" / 12.1" / 13.3" / 15" / 15.6" / 17" / 19" / 21.5"



Power Input: DC 9-36V



Optical Bonding PCAP (G+G) — 10-Point Touch, 7H Surface Hardness, Transmittance >85%



OS: Windows 10 (Windows 11 / Linux Optional)



Backlight Lifespan: 50,000 Hours



24/7 Operation



Installation: VESA / Wall-Mount / Desktop / Embedded / Hanging



Operating Temperature: -20~70°C

PRODUCT ROADMAP



PUBLIC TRANSPORTATION

◆ LOW POWER DISPLAY TERMINAL

E-paper Display	13.3" 1600*1200 Display Color: Monochrome Light Source: Front Light + Ambient Light	28" 3840*1080 Display Color: Monochrome Light Source: Front Light + Ambient Light	31.2" 2560*1440 Display Color: Monochrome Light Source: Front Light + Ambient Light
ChLCD Display	13.3" 1024*768 Display Color: Full Color Light Source: Front Light + Ambient Light	29" 1920*650 Display Color: Full Color Light Source: Front Light + Ambient Light	31.5" 1920*1080 Display Color: Full Color Light Source: Front Light + Ambient Light
Local Dimming Display	15.6" 1920*1080 Zones: 1152 Customizable brightness: 1500-2500nits	21.5" 1920*1080 Zones: 1152 Customizable brightness: 1500-2500nits	32" 1920*1080 Zones: 1152 Customizable brightness: 2500-5000nits
	36.6" 1920*290 Zones: 336 Customizable brightness: 2500-5000nits	43" 1920*1080 Zones: 1152 Customizable brightness: 2500-5000nits	55" 1920*1080/3840*2160 Zones: 1152 Customizable brightness: 2500-5000nits
	65" 3840*2160 Zones: 1152 Customizable brightness: 2500-5000nits	75" 3840*2160 Zones: 1152 Customizable brightness: 2500-5000nits	

PRODUCT ROADMAP



PUBLIC TRANSPORTATION

◆ TFT-LCD DISPLAY

15.6" -32"	15.6" 1920*1080 Standard brightness: ≤ 500nits Customizable brightness: 500-1000nits	21.5" 1920*1080 Standard brightness: ≤ 500nits Customizable brightness: 500-1000nits	32.0" 1920*1080 Standard brightness: ≤ 500nits Customizable brightness: 500-1000nits
28.2" -57.6" (Stretched Bar Display)	28.2" 1920*440 Standard brightness: ≤ 500nits Customizable brightness: 500-1000nits	28.6" 1920*560 Standard brightness: ≤ 500nits Customizable brightness: 500-1500nits	29" 1920*540 Standard brightness: ≤ 500nits Customizable brightness: 500-1000nits
	36.6" 1920*290 Standard brightness: 1000nits Customizable brightness: 500-1500nits	37.6" 1920*540 Standard brightness: ≤ 500nits Customizable brightness: 500-1500nits	57.6" 3840*814 Standard brightness: ≤ 500nits Customizable brightness: 500-1000nits
49.0" -98.0"	49" 3840*2160 Standard brightness: ≤ 2000nits Customizable brightness: 1500-2500nits	55" 3840*2160 Standard brightness: ≤ 2000nits Customizable brightness: 1500-2500nits	65" 3840*2160 Standard brightness: ≤ 2000nits Customizable brightness: 1500-2500nits
	75" 3840*2160 Standard brightness: ≤ 2000nits Customizable brightness: 1500-2500nits	86" 3840*2160 Standard brightness: ≤ 2000nits Customizable brightness: 1500-2500nits	98" 3840*2160 Standard brightness: ≤ 2000nits Customizable brightness: 1500-2500nits

PRODUCT ROADMAP



INDUSTRIAL & EMBEDDED

◆ TFT-LCD DISPLAY

10.1" -32"	7" 1280*800 Standard brightness: ≤ 500nits Customizable brightness: 500-1000nits	8" 1280*800 Standard brightness: ≤ 500nits Customizable brightness: 500-1000nits	10.1" 1280*800 Standard brightness: ≤ 500nits Customizable brightness: 500-1000nits
	10.4" 1024*768 Standard brightness: ≤ 500nits Customizable brightness: 500-1000nits	12.1" 1280*800/1024*768 Standard brightness: ≤ 500nits Customizable brightness: 500-1000nits	13.3" 1920*1080 Standard brightness: 400nits Customizable brightness: 500-1000nits
	15" 1024*768 Standard brightness: ≤ 500nits Customizable brightness: 500-1000nits	15.6" 1920*1080 Standard brightness: ≤ 500nits Customizable brightness: 500-1000nits	17" 1280*1024 Standard brightness: ≤ 500nits Customizable brightness: 500-1000nits
	18.5" 1280*1024 Standard brightness: ≤ 500nits Customizable brightness: 500-1000nits	19" 1280*1024 Standard brightness: ≤ 500nits Customizable brightness: 500-1000nits	21.5" 1920*1080 Standard brightness: ≤ 500nits Customizable brightness: 500-1000nits

RELIABILITY TESTING



DC Voltage Regulator/Electronic Load



Withstand Voltage Test



Static Electricity Test



48 Hour Aging Test



Salt Spray Test



Programmable Rainfall Test



Programmable
High and Low Resistance Test



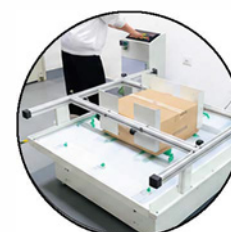
Programmable
Temperature and Humidity Test



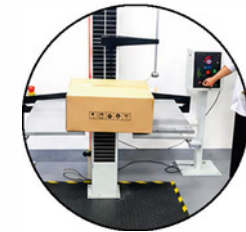
IK Rating Test



UV Test



Simulated Car Vibration Test



Drop Test

TECHNICAL SUPPORT







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