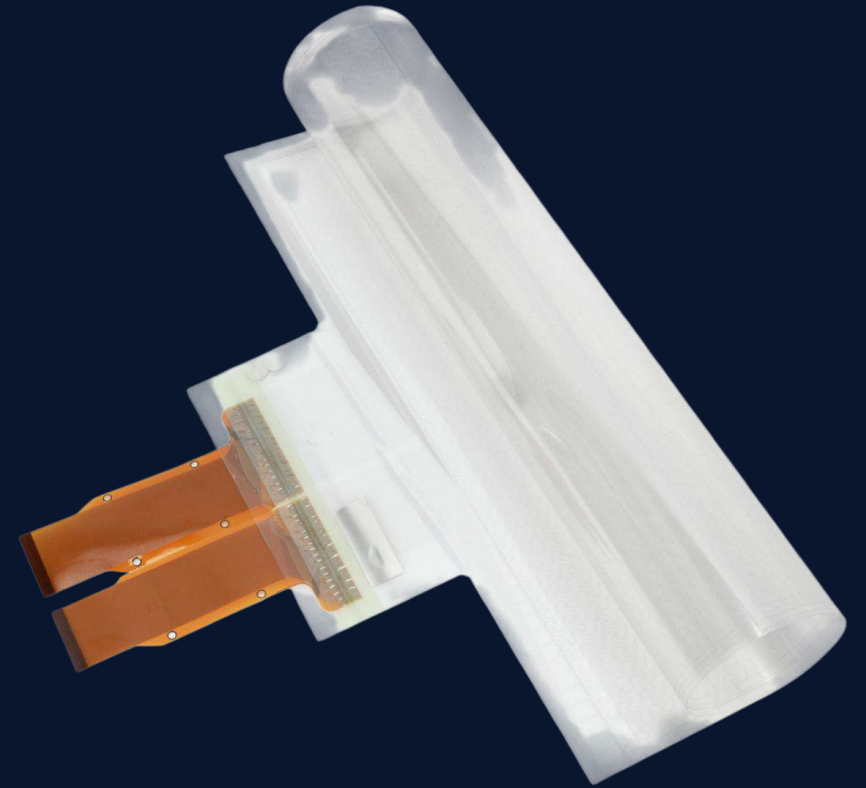


CAPACITIVE TOUCH FILM

TOUCH SOLUTIONS |

Precision Engineered · Globally Trusted · Custom Built



CONTENTS

Product Series

Full Range of LED Backlit Touch Films

Applications

Diverse Touch Interaction Experiences

Industries

Deep Industry Engagement & Global Reach

Custom Development

From Concept to Mass Production



WHY GERTEISE

- **In-House Manufacturing |**
From film coating to final assembly under one roof
- **Custom Engineering |**
Any size, any shape — 7" to 110" with Custom-shape cutting
- **Global Compliance |**
ISO 9001 · ROHS · CE · FCC-ready for export markets
- **Rapid Prototyping |**
FAE support from design concept to volume production



MANUFACTURING STRENGTH



FACTORY OVERVIEW

Cleanroom Class

Class 10,000 cleanroom for film coating & bonding

Monthly Output

Scalable to 3M units/year

QC Process

100% electrical test + optical inspection before ship

Certifications

ISO 9001 · ROHS · CE · IP65 testing capability

CORE TECHNOLOGY

01

Nano-Silver Conductive Film

>92% transmittance
<3 μ m metal mesh line width
Clear, sharp display with zero
visual interference

02

Rapid Multi-Touch Response

10-point simultaneous touch
<3ms response time
Smooth writing & gesture
operation

03

High-Uniformity LED Backlight

>95% brightness uniformity
Full RGB customization
NTSC 85% color gamut
coverage

04

Flexible & Custom Shape

Curved, flexible, irregular cuts
7" to 110" full coverage
Innovative product design
support

PRODUCT SERIES



KIT SERIES

21.5" ~ 110"

Bare film + controller board + drivers + cables. DIY assembly for customer-owned LED screens.



SHOWCASE

High-brightness 1500-3000nits for outdoor visibility. Full lamination, IP65, splicing supported.



ALL-IN-ONE

32" ~ 86"

Integrated touch film + LED backlight + LCD panel. Ultra-thin 18mm. Win/Android dual OS.



MINI SIZE

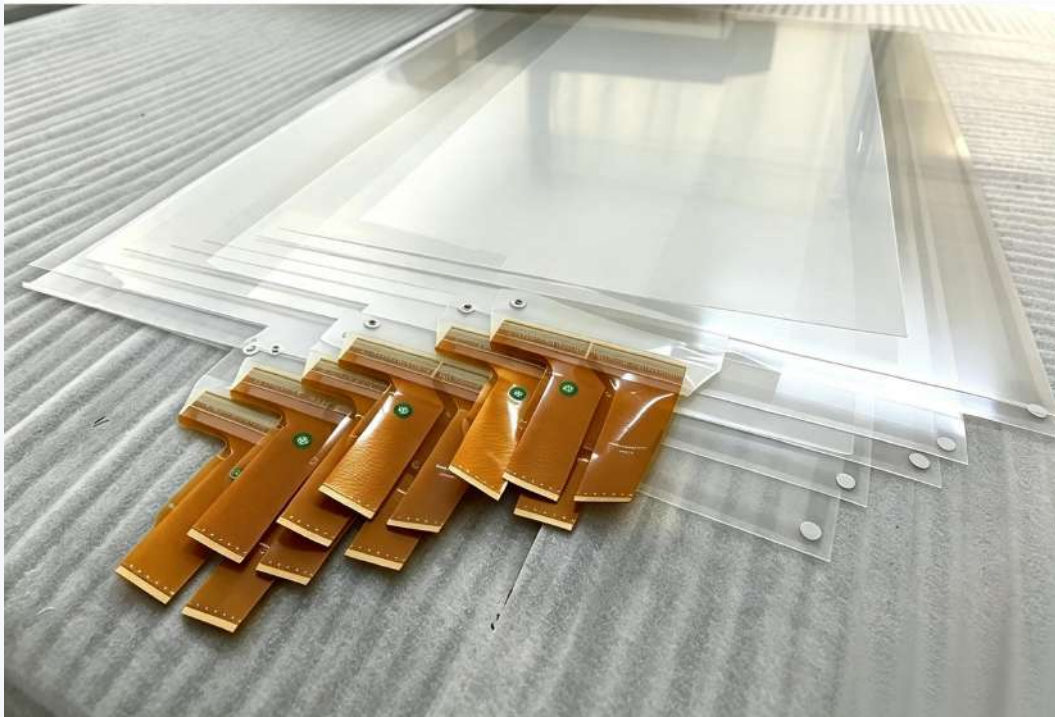
7" ~ 21.5"

Ultra-low power <0.5W standby. GFF/GF1/OGS structures. For smart terminals & portable devices.

KIT SERIES

Flexible LED Display Touch Solution

Capacitive bare film kit
for existing screens



KEY FEATURES

- ▶ Standard capacitive touch bare film for various LED displays
- ▶ Complete kit with controller board, drivers, and cables
- ▶ DIY assembly for customer-owned LED screens
- ▶ Flexible integration with existing display infrastructure

KEY SPECIFICATIONS

Size Range: 21.5" ~ 110"
Touch Points: 10 Points
Transmittance: >92%

Interface: USB / I2C
Response Time: <3ms
Thickness: 0.3-2mm

SHOWCASE



KEY FEATURES

- ▶ Designed for commercial showcases and display windows
- ▶ 55"~110" large format with seamless splicing support
- ▶ High-brightness LED backlight for outdoor visibility
- ▶ Full lamination with IP65 dust & water protection

KEY SPECIFICATIONS

Size: 55" ~ 110"

Brightness: 1500-3000nits

Protection: IP65

Lifespan: 50,000hrs

Splicing: Supported

Interface: USB / RS232

ALL-IN-ONE



KEY FEATURES

- ▶ Integrated touch film + LED backlight + LCD panel
- ▶ 32"~86" mainstream commercial sizes covered
- ▶ Ultra-thin body at only 18mm minimum thickness
- ▶ Plug-and-play with Windows / Android dual OS support

KEY SPECIFICATIONS

Size: 32" ~ 86"

Thickness: 18mm min

OS: Win / Android

Resolution: Up to 4K

Installation: Plug & Play

Interface: USB / HDMI

MINI SIZE



KEY FEATURES

- ▶ For smart terminals, small devices, portable products
- ▶ 7"~21.5" compact sizes with ultra-thin profile
- ▶ Ultra-low power design with standby <0.5W
- ▶ Supports GFF / GF1 / OGS multiple structures

KEY SPECIFICATIONS

Size: 7" ~ 21.5"

Standby: <0.5W

Structures: GFF/GF1/OGS

Interface: I2C / USB

Thickness: 0.3-1.1mm

Touch: 5-10 Points

SPECIFICATIONS COMPARISON

Parameter	Kit	Showcase	AIO	Mini
Size	21.5"~110"	55"~110"	32"~86"	7"~21.5"
Transmittance	>92%	>90%	>91%	>93%
Touch Points	10 pts	10 pts	10 pts	10 pts
Response	<3ms	<5ms	<3ms	<3ms
Brightness	Optional	1500-3000nits	350-450nits	200-350nits
IP Rating	IP54	IP65	IP54	IP65
Temp	-10~60°C	-20~70°C	0~50°C	-20~70°C
Interface	USB/I2C	USB/RS232	USB/HDMI	I2C/USB
Thickness	0.3-2mm	25-45mm	18-35mm	0.3-1.1mm

APPLICATION SCENARIOS

RETAIL & SHOWCASE

Shopping mall wayfinding, smart shelves, interactive storefront windows. 24/7 operation with 50,000-hour LED lifespan.

50,000hrs LED

3000nits Max

MEDICAL & HEALTHCARE

Medical touch screens and surgical navigation terminals. Glove-friendly with liquid splash resistance. Antibacterial surface treatment.

IP65 Rated

1000nits+

EDUCATION

Smart blackboards and interactive teaching displays. Multi-point touch with gesture recognition. Anti-glare treatment for eye protection.

10pt Touch

<3ms Latency

INDUSTRIAL CONTROL

Industrial touch panels and HMI interfaces. EMI resistant with industrial-grade stability. Wide temperature -20°C to 70°C.

-20~70°C

99.9% Uptime

SMART HOME & IOT

Smart appliance touch panels and control terminals. Voice + touch dual-mode interaction. Home appliance-grade EMC/EMI certified.

<0.5W Standby

7"~21.5"

INDUSTRY APPLICATION MATRIX

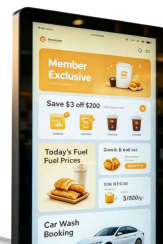
Consumer Electronics

Tablets, in-vehicle navigation systems, wearable devices, smart speakers



Commercial Display

Advertising displays, self-service terminals, conference tablets, digital signage



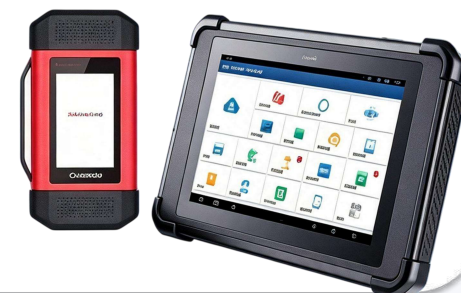
Industrial Automation

Machine tool control, testing instruments, robots, PLC interfaces



Smart Transportation

In-vehicle displays, traffic signals, charging piles, ticketing terminals



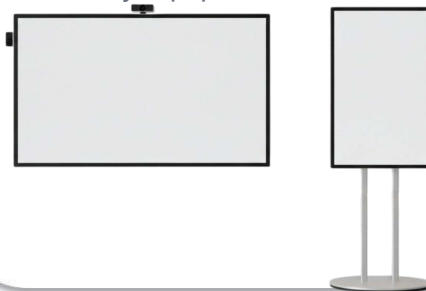
Medical & Healthcare

Medical monitors, surgical navigation systems, diagnostic equipment, rehabilitation devices



Education Electronics

Smart blackboards, electronic whiteboards, learning tablets, laboratory equipment



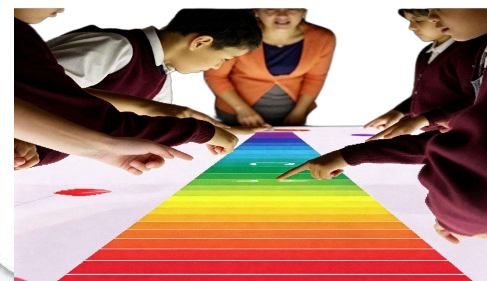
Smart Home

Home appliance control, security panels, access control and intercoms, environmental monitoring



Automotive Display

Central touchscreen, rear-seat entertainment system, and head-up display (HUD).



GLOBAL REACH & CERTIFICATIONS

30+

Countries

500+

Clients

Top10

Module Partners

3M+

Annual Output

OUR GLOBAL REACH

► Asia Pacific

China, Japan, Korea, SEA

► Europe

EU, UK, Nordic

► Americas

USA, Brazil, Mexico

► MENA

UAE, Saudi, Turkey

CERTIFICATIONS

ISO 9001

ROHS Compliant

CE Marked

FCC-Ready

IP65 Tested

SGS Verified

"Partnering with 500+ clients across 30+ countries, we have established collaborations with global Top 10 display module manufacturers."

CUSTOM DEVELOPMENT

01

Size Customization

Supports cutting in any aspect ratio and irregular shapes, covering a full range from 7 to 110 inches to meet diverse requirements for special dimensions.



02

Function Customization

Customization of advanced features such as gesture recognition, Force Touch pressure sensing, hovering touch, and water droplet detection.



03

Optical Customization

Surface treatments including AG (anti-glare), AR (anti-reflective), and AF (anti-fingerprint); specialized optical solutions such as privacy films and anti-reflective films.



04

Structure Customization

Flexible, curved, and foldable solutions; ultra-thin designs; custom development of specialized structural components.



THANK YOU CONTACT US

Let's Create the Touch Future Together

CONTACT INFORMATION

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ISO 9001 | ROHS | CE | FCC-Ready | IP65



COOPERATION MODELS

ODM

Original Design Manufacturing

From product concept, industrial design to mass production — full turnkey service with our R&D team.

JDM

Joint Design Manufacturing

Collaborate with your team on design and development. Share technical achievements and IP rights.

OEM

Original Equipment Manufacturing

Production strictly according to your design drawings and technical requirements. Confidentiality guaranteed.

Professional FAE Support • Strict IP Protection • One-Stop Service • Global Logistics Network