

OPTICAL BONDING vs NO BONDING

CUSTOM OPTICAL BONDING SERIES · IP65

# 15.6" IP65 Optical Bonding Panel PC

Optical bonding · IP65 sealed · stainless steel housing

**MODEL**
**STD-OB156IP65-02**

Panel 32" TFT LCD
1920×1080 · 16:9 · 1000 cd/m²

| 15.6" | 1920×1080 | 450 nits | 10-point | −20~70 ℃ | IP65 |
|---|---|---|---|---|---|
| SCREEN SIZE | RESOLUTION | BRIGHTNESS | PCAP TOUCH | OPERATING | IP RATING |

Anti-Magnetic Interference · Waterproof & Dustproof · Shock-Proof · Anti-Corrosion · Anti-Glare · Resistant to High & Low Temperature

## FIG. 1 PRODUCT VIEWS

Optical bonding · IP65 sealed · aluminium profile housing



FRONT



REAR · connectors



SIDE · 77.9 mm

## 01 DISPLAY

| | |
|---|---|
| Panel | TFT LCD, Anti-glare |
| Resolution | 1920 × 1080 (16:9) |
| Brightness | 450 cd/m² |
| Contrast | 1000 : 1 |
| View angle | 89 / 89 / 89 / 89 |
| Colour | 16.7 M |
| Response | 18 ms |

## 02 TOUCH

| | |
|---|---|
| Type | PCAP / resistive / non-touch |
| Points | 10 |
| Surface | AG coating, ≥7H |
| Glass | Tempered 3 mm |
| Bonding | Optical bonding |

## 03 SYSTEM & INTERFACE

| | |
|---|---|
| CPU | Intel J1900 / J1800 |
| Memory | DDR3L, max 8 GB |

## 04 OPTICAL BONDING

| | |
|---|---|
| Process | Optical bonding |
| Benefit | No fogging, higher contrast |
| Sunlight | Readable in direct sunlight |
| Option | AR / AF / AG coating |

## 05 MECHANICAL

| | |
|---|---|
| Outline | 432 × 262 × 77.9 mm |
| Housing | Stainless steel + IP65 silicon seal |
| VESA | 100 × 100 mm |
| Net weight | Estimated 7.6 kg |
| Gross weight | Estimated 9 kg |
| Carton | Estimated 650 × 360 × 90 mm |

## 06 RELIABILITY

| | |
|---|---|
| Operating | −20 ~ 70 ℃ |
| Storage | −30 ~ 80 ℃ |
| Humidity | 10% to 80% |
| Seal | IP65 front & rear |

## NOTES

1. Dimensions in mm, tolerance ±1 mm.
2. Optical bonding is standard; AR / AF coating optional.
3. Shell structure can be customised per project.

**Shenzhen Superstark Technology Co., Ltd.**
Web: www.starktouchdevice.com Email: edison.cheng@starktouchdevice.com
WhatsApp: +86 134 8064 6839

# Dimensions & Installation

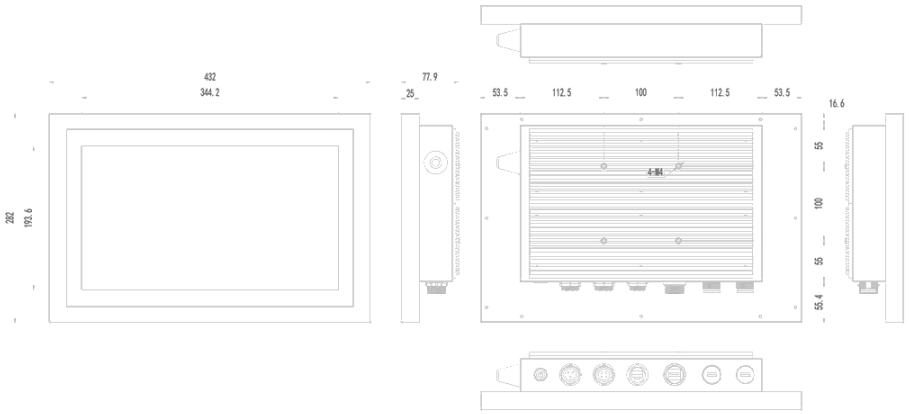
Overall W×H×D, active area and VESA pitch follow the certified drawing. Unit: mm.



OPTICAL BONDING vs NO BONDING

## FIG. 2 OUTLINE DIMENSIONS

NTS · UNIT: mm · ±1




## DIMENSION TABLE

| Ref. | ITEM | VALUE | NOTE |
|---|---|---|---|
| W | Overall width | 432 mm | ±1 |
| H | Overall height | 262 mm | ±1 |
| D | Depth | 77.9 mm | incl. rear VESA boss |
| VA | Active area | 344.2 × 193.6 mm | 16:9 |
| VESA | VESA pitch | 100 × 100 mm | 4 × M6 |

## FIG. 4 MOUNTING

| | |
|---|---|
| **VESA 300 × 200 wall mount** | standard |
| **Desktop stand** | optional |
| **Ceiling / hanging bracket** | optional |
| **Flush recess (custom frame)** | on request |

IP65 sealed enclosure; cable glands on rear bottom; VESA pattern fits standard brackets.

## FIG. 3 INTERFACE LAYOUT



| | | |
|---|---|---|
| **DC-In** | ×1 | Power input, with adapter |
| **HDMI** | ×1 | HDMI signal input |
| **USB** | ×4 | 2.0×2 + 3.0×2 |
| **Audio** | ×1 | Line-out / Mic-in |
| **VGA** | ×1 | Analog signal input |
| **RJ45** | ×1 | 10/100/1000 M Ethernet |
| **COM** | ×1 | RS232, RS485 opt. |

Waterproof connectors configured per project; VGA / Audio via adapter cable.

**STARK TOUCH DEVICE**

| | |
|---|---|
| PROJECT<br>**Custom Optical Bonding Series** | MODEL<br>**STD-OB156IP65-02** |
| DWG NO.<br>**STD-DS-OB156-02** | SCALE<br>**NTS** DATE<br>**2026.11** |
| REV.<br>**A** | SHEET<br>**2/3** |

**Shenzhen Superstark Technology Co., Ltd.**
Web: www.starktouchdevice.com Email: edison.cheng@starktouchdevice.com
WhatsApp: +86 134 8064 6839


OPTICAL BONDING VS NO BONDING

# SELECTION & PACKAGING

Model naming, box contents, certification and series overview.

## 01 MODEL NAMING

| STD | OB | 156IP65 | 02 |
|---|---|---|---|
| STARK | Optical Bonding | 156 inch, IP65 | Version |

· TM = touch monitor · PC = panel PC (X86 / A) · AIO = all-in-one display · EM = embedded monitor

· PC models add a trailing -X (Intel) or -A (Android) to indicate the platform.

· Example: STD-OB32CTM-IP65 = STARK optical bonding, 32 inch capacitive touch monitor, IP65.

## 02 BOX CONTENTS

- **Monitor ×1**
  with optical bonding and IP65 seal
- **HDMI cable ×1**
  length 1.5 m
- **Waterproof connector caps**
  pre-installed
- **Power adapter + cord ×1**
  DC 24 V for TM models
- **USB touch cable ×1**
  touch models only
- **Quick start guide ×1**
  EN / CN

## 03 CERTIFICATION

Certification **CE / FCC**

The product complies with CE and FCC requirements. Certificates are issued per model and available on request.

## 04 SERIES OVERVIEW

| Model | Size | Resolution | Brightness | Form |
|---|---|---|---|---|
| STD-OB156IP65-02 | 15.6" | 1920×1080 | 450 nits | Panel PC X86 |
| STD-OB156EBPC | 15.6" | 1920×1080 | 800 nits | Panel PC Android |
| STD-OB215IP65-02 | 21.5" | 1920×1080 | 300 nits | Panel PC X86 |
| STD-OB215EBPC | 21.5" | 1920×1080 | 250 nits | Panel PC Android |
| STD-OB32CTM-IP65 | 32" | 1920×1080 | 1000 nits | Touch monitor |
| STD-OB55IP65TM | 55" | 1920×1080 | 1500 nits | Touch monitor |
| STD-OB32IP65TM | 32" | 1920×1080 | 1000 nits | All-in-one display |
| STD-OB43IP65TM | 43" | 1920×1080 | 1000 nits | All-in-one display |
| STD-OB32TM-02 | 32" | 1920×1080 | 300 nits | Embedded monitor |
| STD-OB43TM-02 | 43" | 1920×1080 | 350 nits | Embedded monitor |

**CUSTOMISATION** Size, brightness, interface and housing can be tailored to your project.

## 05 REVISION HISTORY

| Rev | Date | Description |
|---|---|---|
| Rev A | 2026.11 | Initial release |

**Shenzhen Superstark Technology Co., Ltd.**
Web: www.starktouchdevice.com Email: edison.cheng@starktouchdevice.com
WhatsApp: +86 134 8064 6839