INDUSTRIAL PANEL PC

EKT-156-J6412-IP66

15.6-inch IP66 High-Brightness Capacitive Touch Panel PC

FANLESS | 1000 NITS | FULL HD | 10-POINT PCAP | -20 TO 70 °C



15.6 inch FULL HD DISPLAY	**1000 cd/m2** SUNLIGHT READABLE	**10-POINT** PROJECTED CAPACITIVE	**IP66** FULL ENCLOSURE

Key Features

Rugged construction
Aluminum front frame and heat-sink plate with sandblasted anodized finish, UV-resistant color protection, and sealed IP66 enclosure.

Touch in demanding conditions
10-point projected-capacitive touch with EETI controller; supports touch operation in the presence of water droplets.

Fanless 24/7 operation
Industrial components and passive cooling for continuous operation across a -20 to 70 °C operating range.

Outdoor-readable display
Industrial-grade 15.6-inch LCD with 1000 cd/m2 brightness, wide viewing angles, and full optical bonding.

Protected glass
1.8 mm chemically strengthened glass, 6H surface hardness, and anti-glare treatment.

Waterproof connectivity
Sealed USB, serial, LAN, HDMI, DC power, and power-button connections for industrial installations.

Model: EKT-156-J6412-IP66

SYSTEM AND DISPLAY SPECIFICATIONS

Technical Specifications

PC SYSTEM	
Processor	Intel Celeron J6412, 4 cores / 4 threads, 2.0 GHz base frequency, up to 2.6 GHz burst frequency
Chipset	System-on-chip (SoC)
Memory	8 GB DDR4
Storage	128 GB SSD
Graphics	Intel UHD Graphics
Audio	Onboard ALC897 HD audio codec; independent amplifier supporting dual speakers (5 W @ 2 Ω or 3 W @ 4 Ω)
Network controller	Realtek 8111F; dual-LAN option available
Preinstalled OS	Windows 11 Pro
EXTERNAL I/O	
USB	2 x IP66 USB
LAN	1 x IP66 RJ45 Ethernet (dual LAN optional)
Serial	2 x IP66 RS-232
Video output	1 x IP66 HDMI
Power input	1 x IP66 DC input, 9-36 VDC (12 V nominal)
Control	1 x IP66 power on/off button
LCD PANEL	
Screen diagonal	15.6 inches
Active area	343.54 (W) × 192.83 (H) mm
Resolution / aspect ratio	1920 × 1080 / 16:9
Brightness	1000 cd/m² (nits)
Brightness control	PWM software adjustment
Contrast ratio	1000:1
Viewing angle	85° / 85° / 85° / 85° (R/L/U/D)
Colors	16.2 million
Backlight	WLED, 50,000-hour rated life

TOUCH, MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

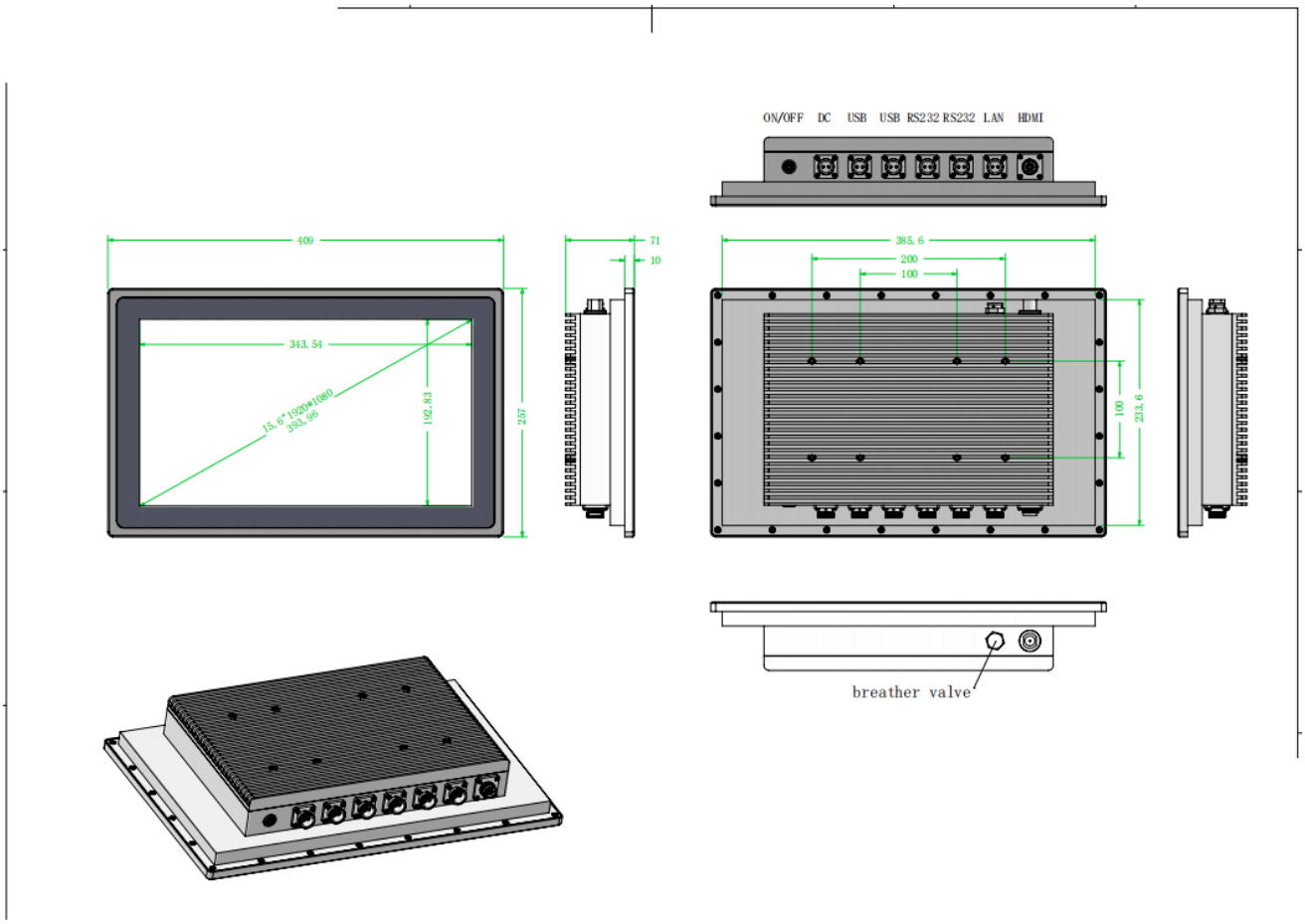
Technical Specifications (continued)

TOUCH PANEL	
Technology	Projected capacitive touch, up to 10 simultaneous touch points
Cover glass	1.8 mm chemically strengthened glass
Surface hardness	6H
Surface treatment	Anti-glare (AG)
Light transmission	≥ 85%
Touch controller	EETI 80
Driver support	Windows, Linux, Android
Bonding	Full optical bonding
POWER	
Operating input	9-36 VDC input; 12 VDC nominal
Power consumption	45 W
Power adapter	100-240 VAC input; +12 VDC / 8 A max output; 96 W
ENCLOSURE AND MECHANICAL	
Construction	Aluminum front panel and heat-sink plate; galvanized cold-rolled steel rear enclosure
Surface finish	Sandblasted anodized aluminum with UV-resistant color protection; electrostatic powder-coated rear enclosure
Color	Black
Mounting	VESA 100 × 100 mm / 200 × 100 mm
Ingress protection	IP66, full enclosure
Cooling	Passive, fanless
Dimensions	409 × 257 × 71 mm (W × H × D)
Weight	Net: 5.6 kg; gross: 8.5 kg
OPERATING ENVIRONMENT	
Temperature	Operating: -20 to 70 °C; storage: -30 to 80 °C
Relative humidity	Up to 100% at applicable temperatures, non-condensing
PACKING, COMPLIANCE AND SUPPORT	
Packing	1 unit/carton; carton size 53 × 17 × 40 cm; packed weight 9 kg
Included accessories	Waterproof power adapter, waterproof USB cable, waterproof HDMI cable, and waterproof Ethernet cable
Warranty	2 years
Certificates	CE, RoHS

Note: Specifications consolidate the source data for consistency. Availability of optional configurations should be confirmed at order placement.

MECHANICAL OUTLINE AND PRODUCT VIEWS

Dimensions



All dimensions are in millimeters. Drawing not to scale.

Product Views

		
Front view	**Rear enclosure**	**Waterproof I/O panel**

Interface overview

Sealed interface panel: DC input, 2 × USB, 2 × RS-232, RJ45 LAN, HDMI, and power on/off button. Connector configuration may vary with ordered options.