

KZ DISPLAY SERIES

7"-23.8" Embedded Industrial Monitor

Fanless, fully enclosed industrial monitors with a 3mm ultra-thin front frame built for flush panel mounting. The die-cast aluminum housing has an IP65-rated front, and the industrial driver board takes HDMI, VGA or DisplayPort on 12-36V DC power. There are 17 sizes, each available with capacitive touch, resistive touch or no touch, for HMIs, kiosks and control equipment that runs around the clock.



3mm Flush Bezel IP65 Front 12-36V DC HDMI · VGA · DP

Fanless 24/7 Operation

KEY FEATURES

- 3mm flush-mount bezel**
Ultra-thin front frame sits nearly level with the surrounding panel.
- Die-cast aluminum**
Brushed flat front, fanless and fully enclosed, with an IP65 front.
- Three touch options**
10-point projected capacitive, resistive, or non-touch in every size.
- Multi-input driver board**
HDMI, VGA and DisplayPort with automatic input detection.
- Wide-range power**
12-36V DC through a Phoenix terminal, with low power consumption and EMC compatibility.
- Flexible mounting**
Embedded, wall, desktop, louver, cantilever and boom mounting.

MODEL LINEUP

Size	Non-Touch	Capacitive	Resistive	Resolution	Aspect	Brightness (nits)	Contrast	Viewing Angle L/R/U/D
7"	KZ70F	KZ70FC	KZ70FR	1024×600	16:9	500	500:1	75/75/70/75
8"	KZ80F	KZ80FC	KZ80FR	1024×768	4:3	250-300	800:1	85/85/85/85
10.1"	KZ101F	KZ101FC	KZ101FR	1280×800	16:10	400	1000:1	85/85/85/85
10.4"	KZ104F	KZ104FC	KZ104FR	1024×768	4:3	400	1000:1	80/80/80/60
11.6"	KZ116F	KZ116FC	KZ116FR	1920×1080	16:9	250-300	1000:1	85/85/85/85
12"	KZ12F-S	KZ12FC-S	KZ12FR-S	1024×768	4:3	500	1000:1	85/85/85/85
12.1"	KZ12F-W	KZ12FC-W	KZ12FR-W	1280×800	16:10	350	1000:1	65/65/65/65
13.3"	KZ133F	KZ133FC	KZ133FR	1920×1080	16:9	400	1000:1	85/85/85/85
15"	KZ15F	KZ15FC	KZ15FR	1024×768	4:3	350	1000:1	89/89/89/89
15.6"	KZ156F	KZ156FC	KZ156FR	1920×1080	16:9	300	800:1	85/85/85/85
17"	KZ17F	KZ17FC	KZ17FR	1280×1024	5:4	250-300	1000:1	85/85/80/70
17.3"	KZ173F	KZ173FC	KZ173FR	1920×1080	16:9	400	600:1	80/80/60/80
18.5"	KZ185F	KZ185FC	KZ185FR	1920×1080	16:9	270	1000:1	89/89/89/89
19"	KZ19F-S	KZ19FC-S	KZ19FR-S	1280×1024	5:4	250-300	1000:1	85/85/80/80
19.1"	KZ19F-W	KZ19FC-W	KZ19FR-W	1440×900	16:10	250-300	1000:1	80/80/80/80
21.5"	KZ215F	KZ215FC	KZ215FR	1920×1080	16:9	250-300	1000:1	89/89/89/89
23.8"	KZ238F	KZ238FC	KZ238FR	1920×1080	16:9	250-300	1000:1	89/89/89/89

DISPLAY & VIDEO

Display driver board	RTD2513BR industrial driver board
Sizes	7" to 23.8" (17 sizes, see Model Lineup)
Video input	HDMI x1, VGA x1, DisplayPort x1, auto input detection
Max. input format	Up to 1920×1080 @ 60Hz
Color depth	16 / 24 / 32-bit
OSD controls	AUTO, MENU, POWER, LEFT, RIGHT
OSD language	Multi-language (English default)

TOUCH

Capacitive (FC)	Projected capacitive, 10-point multi-touch; finger or capacitive stylus; 88% light transmission
Resistive (FR)	Single-point; finger or stylus; 78% light transmission
Non-touch (F)	≥92% transmittance
Touch controller	USB (COM optional)

REAR COVER



7"-17.3": small back cover



18.5"-23.8": large back cover

INTERFACES

Touch	1 × RJ45 port (USB signal), RJ45-to-USB cable included
HDMI	1 × HDMI, up to 1080P, with audio
VGA	1 × VGA (analog)
DisplayPort	1 × DP
Audio	1 × 3.5mm audio in/out
Power	1 × 2-pin Phoenix terminal (DC 5.5×2.1 jack optional)
Grounding	1 × GND terminal

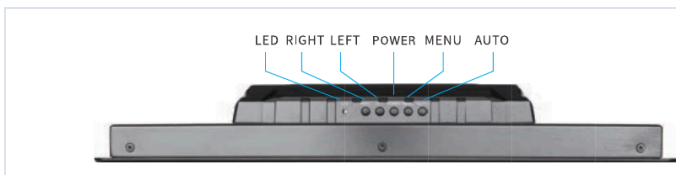
POWER

Input voltage	12-36V DC wide range
Adapter	24V / 1.5A (included)

MECHANICAL & ENVIRONMENTAL

Housing	Die-cast aluminum alloy, fanless, fully enclosed
Front frame	3mm ultra-thin, brushed flat finish
Color	Classic black or technical silver
Ingress protection	IP65 (front)
Operating temp.	-10°C to 60°C (-20°C to 70°C optional)
Storage temp.	-20°C to 70°C
Humidity	95% non-condensing
Duty cycle	24/7 continuous operation

I/O INTERFACE



15" model shown. Port layout may vary by size.



MOUNTING OPTIONS



APPLICATIONS

Industrial automation HMIs and machine control · Self-service kiosks and smart terminals · Electric power and utilities · Telecom and network equipment · Military and defense consoles · Transportation and building automation

Specifications are subject to change without notice. Brightness varies by panel and touch option; confirm with Geekland at time of order.

ORDERING INFORMATION

KZ[size]F non-touch · **FC** capacitive · **FR** resistive

- Included: 24V/1.5A power adapter, RJ45-to-USB touch cable
- OEM/ODM: COM touch, wide-temp, DC jack, branding
- Volume and integrator pricing: contact Geekland for a quote