

YW03 Series Industrial Touchscreen Monitors

10.1, 12.1 and 13.3-inch TC monitors for external-host systems

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HDMI and VGA video inputs, USB capacitive touch communication and DC 12 V power. These TC monitors require an external host. YW03 AC all-in-one computers are a separate product family.

Select the exact monitor

10.1 inch | YL-GZYW03Q101TC-V1 | 1280 × 800 | 350 cd/m²

12.1 inch | YL-GZYW03Q121TC-V1 | 800 × 600 | 400 cd/m²

13.3 inch | YL-GZYW03Q133TC-V1 | 1920 × 1080 | 280 cd/m²

Source and release boundaries

Sources: three whole-unit YW03 TC specifications, revision V1. No issue date is stated in the sources. EN3 is an editorial compilation version, not a hardware revision or engineering release.

VESA mounting for the three TC monitor models is specified as 75 × 75 mm in their individual V1 whole-unit specifications. This compilation follows those model-specific documents. YW03 AC all-in-one computers are separate products with different mounting specifications. Confirm the selected model and released mechanical drawing before ordering or designing a bracket.

Product photographs are not included. Installation dimensions for 12.1 and 13.3-inch models require a released drawing. No IP rating, medical certification, stock level, MOQ, warranty or lead time is established by this compilation.

YL-GZYW03Q101TC-V1

10.1-inch industrial touchscreen monitor

Parameter	V1 whole-unit specification
Screen diagonal (inch)	10.1
Native resolution (pixels)	1280 × 800
Aspect ratio	16:10
Brightness	350 cd/m ²
Operating temperature	-20 ... 70 °C
Storage temperature	-30 ... 80 °C
Maximum operating power (Pmax)	10 W
Power input / connector	DC 12 V · DC 5521
Video inputs	HDMI + VGA
Touch communication	USB
VESA mounting (V1 source)*	75 × 75 mm
Contrast ratio	800:1
LCD response time	25 ms
MTBF (source specification)	30000 h
Operating humidity	10–90% RH
Enclosure dimensions (L × W × H)	258.96 × 177.6 × 24.6 mm

*VESA 75 × 75 mm follows the V1 whole-unit specification for this TC model. Confirm the released drawing before ordering or mechanical design. MTBF is not a warranty term.

Source: YL-GZYW03Q101TC-V1 whole-unit specification, revision V1, pages 1–2. Original technical data retained; issue date not stated.

YL-GZYW03Q121TC-V1

12.1-inch industrial touchscreen monitor

Parameter	V1 whole-unit specification
Screen diagonal (inch)	12.1
Native resolution (pixels)	800 × 600
Aspect ratio	4:3
Brightness	400 cd/m ²
Operating temperature	-20 ... 70 °C
Storage temperature	-20 ... 70 °C
Maximum operating power (Pmax)	15 W
Power input / connector	DC 12 V · DC 5521
Video inputs	HDMI + VGA
Touch communication	USB
VESA mounting (V1 source)*	75 × 75 mm
Contrast ratio	800:1
LCD response time	30 ms
MTBF (source specification)	50000 h
Operating humidity	10–90% RH
Enclosure dimensions (L × W × H)	Released drawing required

*VESA 75 × 75 mm follows the V1 whole-unit specification for this TC model. Confirm the released drawing before ordering or mechanical design. MTBF is not a warranty term.

Source: YL-GZYW03Q121TC-V1 whole-unit specification, revision V1, pages 1–2. Original technical data retained; issue date not stated.

YL-GZYW03Q133TC-V1

13.3-inch industrial touchscreen monitor

Parameter	V1 whole-unit specification
Screen diagonal (inch)	13.3
Native resolution (pixels)	1920 × 1080
Aspect ratio	16:9
Brightness	280 cd/m ²
Operating temperature	0 ... 40 °C
Storage temperature	-10 ... 60 °C
Maximum operating power (Pmax)	10 W
Power input / connector	DC 12 V · DC 5521
Video inputs	HDMI + VGA
Touch communication	USB
VESA mounting (V1 source)*	75 × 75 mm
Contrast ratio	800:1
LCD response time	30 ms
MTBF (source specification)	30000 h
Operating humidity	10–90% RH
Enclosure dimensions (L × W × H)	Released drawing required

*VESA 75 × 75 mm follows the V1 whole-unit specification for this TC model. Confirm the released drawing before ordering or mechanical design. MTBF is not a warranty term.

Source: YL-GZYW03Q133TC-V1 whole-unit specification, revision V1, pages 1–2. Original technical data retained; issue date not stated.

Integration and quotation checklist

Host and cabling

Specify the host operating system, video output, native resolution and required touch behavior. Confirm controller-specific compatibility. Do not assume a particular multi-touch count or OS validation.

Mechanical integration

Confirm the released drawing, mounting pattern, enclosure depth, cable clearance and installation orientation. The source gives $258.96 \times 177.6 \times 24.6$ mm for the 10.1-inch enclosure; the 12.1 and 13.3-inch drawings remain to be confirmed.

Environment

Use the temperature range of the selected model; the 13.3-inch operating range is 0 to 40 °C. For water, dust or exposed installations, request the relevant protection configuration and supporting evidence. No IP rating is asserted.

Common source specifications

Capacitive touch, USB touch communication, touch response ≤ 5 ms, Mohs 7 surface hardness and an aluminum enclosure. Electromagnetic or ESD statements in a source document do not establish certification without the applicable reports.

Source packing list

Monitor, power adapter, 1.8 m power cable, 1.5 m HDMI cable and 1.5 m USB cable. Confirm the plug type and final contents with the quotation.

Project request

Provide the exact model or required screen size, application, quantity, host interfaces, operating conditions and mounting requirements. Confirm sample availability, delivery schedule and applicable commercial terms with the quotation.