

# QTERM®-A7

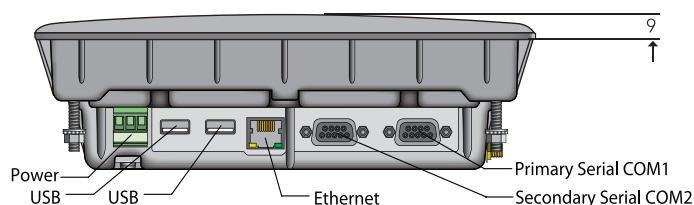
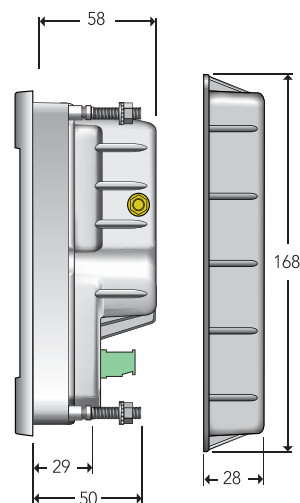
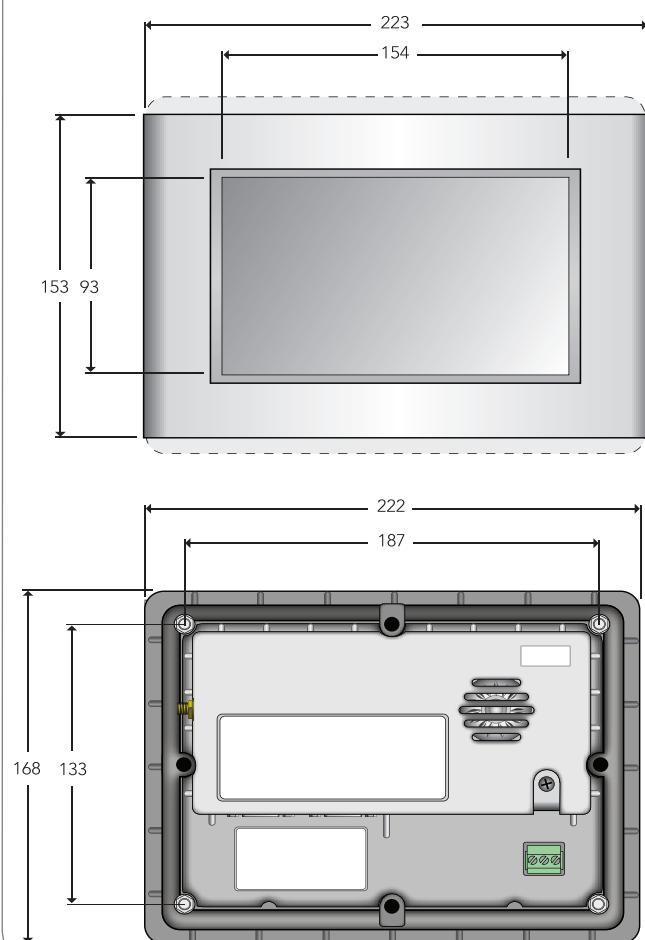
7" Widescreen HMI with Universal Connectivity  
and Choice of Programming Platforms

The QTERM®-A7 human machine interface features universal connectivity, a bright widescreen display and is UL listed Class I Div 2 certified for hazardous conditions. Industrially hardened, the QTERM-A7 can operate in -30 to 70 °C.



## Product Highlights

- ▶ 800 x 480 pixel WVGA, 7" (177 mm) diagonal, LED lighted, TFT color LCD touch screen display
- ▶ -30 to 70 °C operating temperature
- ▶ UL listed Class 1 Div 2 Certified
- ▶ NEMA-4X and IP66 sealing for harsh environments
- ▶ iX Software for automation control or Windows® Embedded CE 6.0 development



Dimensions shown in mm.

## QTERM-A7 Specifications

Feature	Detail	Description
Display	Type	800 x 480 WVGA, TFT color LCD
	Size	7" (177 mm) diagonal
	Lighting	LED
Touch Screen	Type	Analog-resistive with 4H hardness
Interface	Ethernet	10/100Base-T, RJ-45
	Serial	One EIA-232/422/485 DB9f; one EIA-232 DB9f
	USB	Two 2.0 full-speed host ports (Type A connectors)
Processor	Type	XScale™ PXA 300 ARM 624 MHz
Memory	RAM	128 MB
	Flash	4 GB
Realtime Clock	Standard	Battery-backed, 1 second resolution
Audio	Speaker	8 Ohms 0.7 Watts
Power	Input	10 to 32 VDC
	Consumption	7 Watts @ 24 VDC (typical), 11 Watts @ 24 VDC (max)
	PoE (optional)	8.5 Watts @ 48 VDC (typical), 12.2 Watts @ 48 VDC (max)
Mechanical	Type	Panel-mount
	Size	223 (W) x 153 (H) x 66 (D) mm
	Mass	1 kg
	Housing Material	Polymer

Environmental	Sealing - Front Panel	UL 50 Type 4X, IP66, NEMA-4X
	Temperature	Operating: -30 to 70 °C; Storage: -40 to 85 °C
	Humidity	5 to 95%, non-condensing
	Vibration	4 g 10-1500 Hz
Certifications	Hazardous Locations	ANSI/ISA 12.12.01 (formerly UL 1604) Class I, Div 2
	UL	UL 508
	CE	EN55022, EN55024 and EN60950
	EMC	FCC Part 15

Software	Operating System	Windows® Embedded CE 6.0
	Development Environments	Visual Studio®, iX Developer
	Development Languages	Visual Basic®, Visual C#®, Visual C++®, iX Software
	Runtime Environments	.NET Compact Framework, iX Runtime

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