QTERM-A7

Rugged HMI with Universal Connectivity and Choice of Programming Platforms

- 800 x 480 pixel WVGA, 177 mm (7") diagonal, color, LED lighted TFT-LCD display
- 4-wire resistive touch screen
- Two serial ports: EIA-232/422/485 software-selectable multiprotocol and EIA-232
- Two USB 2.0 full-speed host ports (Type A connectors)
- 10/100Base-T Ethernet
- NEMA-4X and IP66 sealing for harsh environments
- Your choice of software: iX Software for automation control, Qlarity® 3 object-based programming or Windows® Embedded CE 6.0 development
- iX Software includes vector-based graphics, solid HMI functionality, open architecture and OPC connectivity
- -30 to 70 °C operating temperature; consumes 7 W @ 24 VDC
- 4 GB of flash mass storage
- Real-time clock
- Programmable speaker and .wav audio decoder
- CE Certified and UL Listed
- Hazardous Location Class I Div 2 Certified
- Customizable front bezel logo (optional)

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The QTERM®-A7 HMI terminal features a vivid 800 x 480 WVGA, 177 mm (7") LED lighted, color graphics TFT-LCD display. User input occurs through the resistive touch screen. With the included Ethernet 10/100Base-T interface, two USB 2.0 full-speed host ports and two serial ports, this terminal is ready to connect to nearly any device. The QTERM-A7 accommodates the same panel cutout as our QTERM-G70 terminal.

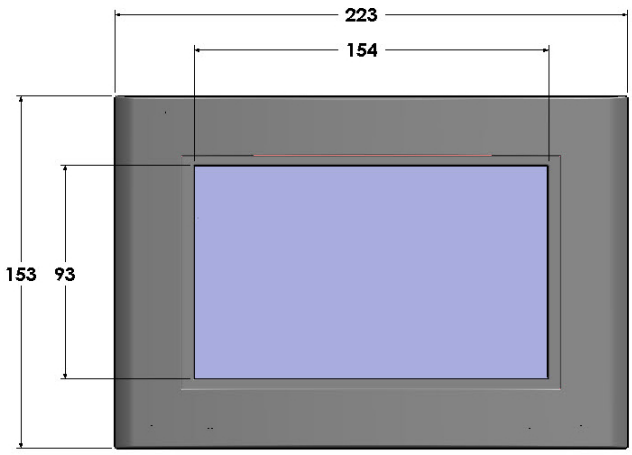
Industrially hardened to operate in many environmental conditions, the QTERM-A7 meets NEMA-4X specifications for hose-down, icing and salt spray when mounted properly. The QTERM-A7 is Class I Div 2 certified for hazardous locations.

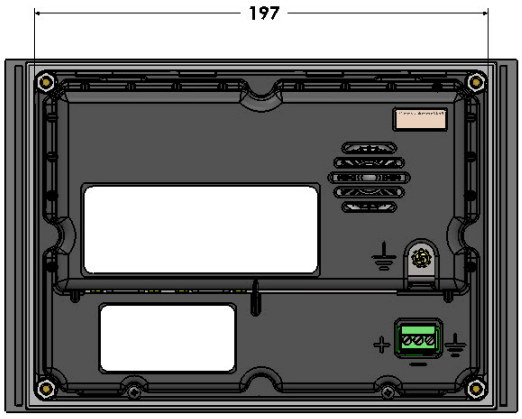
The versatile QTERM-A7 comes loaded with your choice of iX Software for automation control, Qlarity® 3 or you can program directly in the Windows® Embedded CE 6.0 environment.

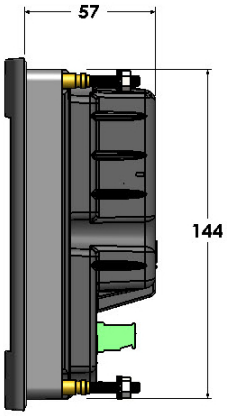
With iX Software, you'll receive industry-leading vector graphics (WPF), open architecture (.NET) and OPC connectivity with solid HMI functionality for automation equipment. Qlarity 3 object-based programming language offers fast screen design and easy integration with your hardware. Windows Embedded CE 6.0 easily integrates with existing systems and allows you to use Microsoft® Visual Studio® and related technologies like Win32, MFC, Visual C#® and Visual Basic® for application development.

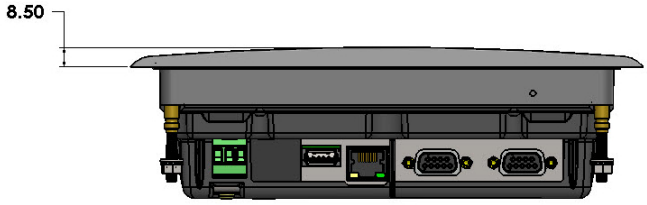
QTERM-A7 Specifications		
Feature	Detail	Description
Display	Type	TFT-LCD 64K Colors
	Pixels	800 x 480 WVGA
	Size	177 mm (7") diagonal
	Pitch	0.19 mm x 0.19 mm
	Lighting	LED
Touch Screen	Type	4-Wire analog-resistive
	Life	> 1 million finger touch operations
Interfaces	Serial port EIA-232/422/485	DB9f, Software-selectable Multiprotocol
	Serial port EIA-232	DB9f
	Ethernet	10/100Base-T, RJ-45
	USB	Two USB 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 W
Mechanical	Housing material	Polymer
	Size	224 (W) x 154 (H) x 60 (D) mm
	Mass	1 kg
Environmental	Sealing - front panel	IP66, NEMA-4X
	Operating temperature	-30 to 70 °C
	Storage temperature	-30 to 85 °C
	Humidity	5 to 95%, non-condensing
	Vibration	4 g 10-1500 Hz
Certifications	Hazardous locations	UL 1604 Class I, Div 2
	UL	UL Listed
	CE	EN-55022, EN-55024 and EN-60950
	EMC	FCC Part 15
Power	Input voltage	10 to 32 VDC
	Consumption	7 Watts @ 24 VDC
	PoE	Optional
Software	Operating system	Windows® Embedded CE 6.0
	Development environments	Qlarity Foundry®, Visual Studio®, iX Developer
	Development languages	Qlarity 3, Visual Basic®, C#, C++, iX Software
	Runtime environments	Qlarity 3, iX Runtime, .NET Compact Framework

QTERM-A7 Dimensions (mm)









Mounting Bracket Dimensions (mm)