

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 with 4H hardness
- 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 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
- UL Listed Class I Div 2 Certified
- Customizable front bezel logo (optional)

QTERM-A7

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 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. 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 with 4H hardness
	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	Visual Studio®, iX Developer
	Development languages	Visual Basic®, C#, C++, iX Software
	Runtime environments	iX Runtime, .NET Compact Framework

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QTERM-A7 Dimensions (mm)

