QTERM-A12

Large, 12.1” Graphics with Versatile Software

QSI CORPORATION – A Beijer Electronics Group Company

iX

Windows Embedded CE 6.0

CE

- 800 x 600 pixel SVGA, 307 mm (12.1”) diagonal, color, LED lighted TFT-LCD display
- 5-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 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 9 W @ 24 VDC (typical)
- Real-time clock
- Programmable speaker and .wav audio decoder
- CE Certified
- UL listed Class I Div 2 Certified (pending)
- Customizable front bezel logo (optional)

QTERM-A12

The QTERM®-A12 HMI terminal features a vivid 800 x 600 SVGA, 307 mm (12.1”) 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.

Industrially hardened to operate in many environmental conditions, the QTERM-A12 meets IP66 and NEMA-4X specifications for hose-down, icing and salt spray when mounted properly. The QTERM-A12 is Class I Div 2 certified (pending) for hazardous locations.

The versatile QTERM-A12 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-A12 Specifications

Feature	Detail	Description
Display	Type	TFT-LCD 64K Colors
	Pixels	800 x 600 SVGA
	Size	307 mm (12.1") diagonal
	Lighting	LED
Touch Screen	Type	5-Wire analog-resistive
	Life	30 million finger touch operations
	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	344.4(W) x 267 (H) x 69.1 (D) mm
	Weight	2.05 kg
Environmental	Sealing - Front Panel	IP66, NEMA-4X, UL 50 Type 4x (pending)
	Operating Temperature	-30 to 70 °C
	Storage Temperature	-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 (pending)
	UL	UL 61131-2 (formerly UL 508) pending
	CE	EN-55022, EN-55024 and EN-60950
	EMC	FCC Part 15
Power	Input Voltage	10 to 32 VDC
	Consumption	9 W @ 24 VDC (typical), 13 W @ 24 VDC (max)
	PoE	10.5 W @ 48 VDC (typical), 14.2 W @ 48 VDC (max)
Software	Operating system	Windows® Embedded CE 6.0
	Development Environments	Visual Studio®, iX Developer
	Development Languages	Visual Basic®, C#, C++, iX Software
	Runtime Environments	.NET Compact Framework, iX Runtime

QTERM-A12 Dimensions (mm)