

QTERM[®]-G58

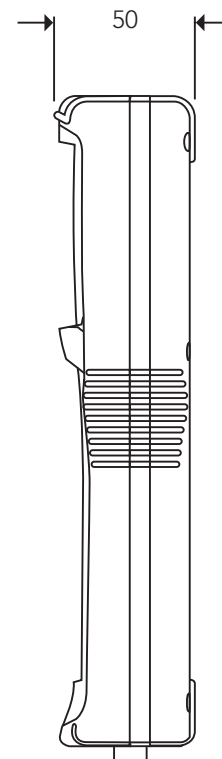
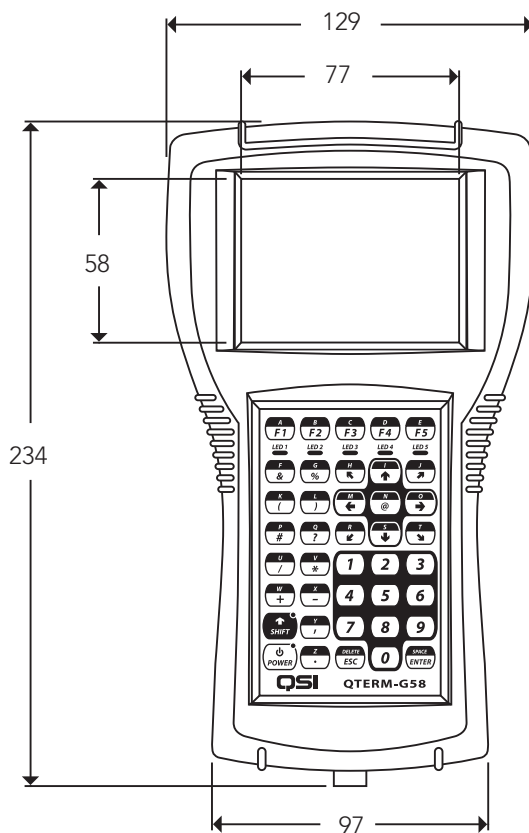
3.5" Ultra-rugged, Wireless, Handheld HMI

QSI The battery-powered QTERM-G58 is a rugged handheld human machine interface terminal with a sunlight readable display with touch screen, optional 802.11b/g wireless Ethernet and your choice of Qlarity[®] object-based programming language or program directly in the Windows[®] Embedded CE 6.0 environment.



Product Highlights

- ▶ 320 x 240 pixel, 3.5" (89 mm) diagonal, sunlight-readable, LED lighted, TFT color LCD touch screen display
- ▶ Optional 802.11b/g wireless Ethernet
- ▶ Internal lithium polymer rechargeable battery
- ▶ NEMA-4 rated, CE Certified
- ▶ Windows[®] Embedded CE 6.0 or Qlarity[®]



Dimensions shown in mm.

QTERM-G58 Specifications

Feature	Detail	Description
Display	Type	320 x 240 transfective sunlight readable, TFT color LCD
	Size	3.5" (89 mm) diagonal
	Lighting	LED
Touch Screen	Type	Analog-resistive
Keypad	Number of Keys	24-key standard, 40-key optional
	Construction	Steel snap domes in membrane, 4 or 5 programmable LEDs, Power and Shift LEDs
	Options	Electroluminescent lighting, prototype and custom legends available
Interface	Serial Multiport	EIA-232/422/485 serial multiprotocol port
	USB	2.0 full speed device port for mass storage access
	Connectors	12-pin round (Hirose HR30) sealed push-lock circular connector
	Wireless (optional)	802.11b/g Dual Antenna
Processor	Type	Atmel ARM9 200 MHz
Memory	RAM	64 MB SDRAM
	Flash	256 MB
Realtime Clock	Standard	Battery-backed, 1 second resolution
Audio	Speaker	1 W 8 Ω Sealed, 83 dB nominal at 100 mm, 1 W input power
	Audio Decoder	Single channel digital decoder for .wav files
	Other	Standard beep, software controllable in duration and pitch
Power	Input	8 to 32 VDC
	Battery	Internal lithium polymer rechargeable battery pack; 10 hr active life, 3 hr recharge time
Mechanical	Type	Handheld
	Size	129 (W) x 234 (H) x 50 (D) mm
	Mass	665 g
	Housing Material	ABS polycarbonate with rubber overmold
	Colors	Available in gray, black or blue

Environmental	Sealing	NEMA-4
	Temperature	Operating: -20 to 60 °C; Storage: -30 to 70 °C
	Humidity	0 to 95%, non-condensing
	Vibration	4 g 5-2000 Hz
	Shock	40 g, 11 ms, any axis
	Drop	1.5 m onto concrete
Certifications	CE	EN55022, EN55024 and EN60950
	EMC	FCC Part 15, Subpart B, ICES-003

Software	Operating System	Windows® Embedded CE 6.0 or Qlarity®
	Development Environments	Microsoft Visual Studio® or Qlarity Foundry®
	Development Languages	Win32, MFC, Visual C#®, Visual Basic® or Qlarity®
	Runtime Environments	.NET Compact Framework, Qlarity Runtime



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