

# QT850

## SMART PAYMENT TERMINAL

Integrate with POS system, or operate Standalone

# Specifications



### SYSTEM

- Processor: Dual ARM Cortex-A7
- RAM: 1 GB
- Flash: 8 GB
- Operating System: Linux or Android Pie 9.0

### DISPLAY

- 3.5inch colour IPS display (16bit color depth, RGB565)
- High Brightness, High Contrast
- Resolution: 480 pixels (wide) x 640pixels (high), Portrait

### TOUCHSCREEN

- Capacitive technology
- Toughened glass construction
- Anti-fingerprint coating
- Signature capture capable

### KEYPAD

- Dedicated PIN entry keys
- Tactile (snap) feedback on press
- Back-lit keys for low light operation
- Embossed keys to aid visually impaired

### CARD READERS

- EMV Chip-card reader
  - Rated for 500,000 insertions
  - Illuminated card entry
- Contactless (NFC) card / smart device reader
  - Landing zone on Glass display
  - EMV L1, ISO 14443 A/B Compliant
- Magnetic stripe card reader (2 Track)
  - Bi directional

### COMMUNICATION METHODS

- **Corded**
  - USB 2.0 (use QT850 USBa cable)
  - Ethernet 10/100 Mbps (use QT850 Ethernet cable & 12V PSU)
  - Serial (RS232) (use QT850 Serial cable & 12V PSU)

### Wireless

- WiFi: Dual band (2.4GHz & 5GHz), 802.11 b/g/n/ac
- Cellular Communications (see Accessories)

### POWER

- Li-Ion Rechargeable battery pack (for use with cordless configurations)
  - 3040mAh Capacity
  - Field Replaceable
- Direct battery charging via USB or Charge Dock Accessory

### MISCELLANEOUS FEATURES

- Reinforced connection point for Kensington anti-theft cable (Integrated configuration)
- Recharge contacts on underside for recharging battery with Dock accessory
- Tone Beeper

### SIZE AND WEIGHT

- Terminal with MSR Heel: 173L x 77W x 50H, 350g
- Terminal with 30mm Printer: 180L x 77W x 60H, 395g
- Terminal with 38mm Printer: 190L x 77W x 70H, 420g
- Charge Dock: 75L x 75W x 52H

### CERTIFICATIONS\*

- PCI PTS 6.x (with SRED & Open protocols)
- PA-DSS
- Mastercard TQM
- Common Criteria
- EMV L1: for Chip cards and Contactless
- EMV L2: for Chip cards
  - VISA payWave™
  - Mastercard PayPass™
  - Amex Expresspay™
  - eftpos™
  - Discover D-PAS™
  - UnionPay QuickPass™
- RCM, CE, FCC, UL

Other country dependant certifications available on request.

### SECURITY

#### Key Management

- DUKPT (3DES and AES)
- Master Key / Session Key

#### Cryptographic

- 3DES
- AES
- RSA
- SHA-256, SHA-512
- ECC (P-256, P-384, P-521 curves)

### BUILD OPTIONS

- Embedded 5MP auto-focus camera / 1D,2D barcode scanner
- 1x Secure Access Module (SAM)

### SUPPORTED ALTERNATIVE PAYMENT SCHEMES\*

- eWallets
  - Alipay
  - WeChat Pay
  - UnionPay
- Buy Now, Pay Later
  - Humm
  - Zip
  - Afterpay
- Loyalty Card platform compatible
- Gift Card platform compatible

### OPTIONAL ACCESSORIES\*

#### Cellular 4G CAT-1 Communication Module

- Region: Australia, Bands: B3, B5, B28. Other regions available\*
- microSIM socket
- 3G fallback

#### Cellular CAT-M1 (IoT) Communication Module

- Excellent coverage and in-building signal penetration
- Data only plans with reduced ongoing costs
- microSIM socket
- Reduced power usage, increasing battery life

#### Thermal Receipt Printers

##### Compact model: Suits 57mm wide x 30mm diameter roll

- Best for occasional printing, greater portability

##### High Capacity model: Suits 57mm wide x 38mm diameter roll

- Best for volume printing
- Secure fixing to Core terminal
- Fast, high contrast printing
- Simple paper reload
- Paper out detection
- Tinted transparent paper door (field replaceable)
- Reinforced connection point for Kensington anti-theft cable
- Use Quest's coreless paper rolls to minimise reloading and maximise efficiency

#### Recharge Dock (to suit all wireless terminals)

- Power indicator
- Power Input: 12VDC, 1.5A (supplied)

#### Countertop Stand (for Integrated configuration)

- Durable Metal construction
- Concealed fixings to counter-top
- 360 Swivel rotation. Lockable
- Tilt adjustment. Lockable
- Cable Pass through
- Easy Terminal release from Holster. Lockable with security screw

#### PIN entry Privacy Shield\*

- For use with Countertop Stand Accessory only

#### Storage / Carry Case (Semi rigid)

- Convenient Storage Case for Mobile terminal
- Includes over the shoulder carry strap, belt loops and belt clip
- Store spare paper roll

### CARD SCHEMES<sup>^</sup>



### eWALLETS<sup>^</sup>



### BUY NOW, PAY LATER<sup>^</sup>



More integrations coming soon!

+ 61 3 8807 4400



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Last updated: 07/23

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