POYNT

Processor
4 core 1.8 Ghz Cortex A15 application processor
108 Mhz Cortex M3 security processor

Memory
1GB DDR

Storage
16GB Flash

Display
7″ touchscreen 800 (w) x 1280 (h) pixels
4.3″ Secure touchscreen display 800 (w) x 480 (h) pixels
Simultaneous 10 finger capacitive multitouch

Operating System
Poynt OS

WiFi
802.11 b/g/n WiFi, 3G capable, 0/100 Ethernet (dock)
2x USB 2.0 ports (dock)
WiFi: 802.11 a/b/g/n I dual channel 2.4, 5 GHz operation
Ethernet: 10/100 BaseT RJ45 port
USB 2.0

Camera
Front and back camera
Front Camera: 5MP I autofocus (7cm to infinity)
Back camera: VGA

Card Readers
Hybrid MSR/ Chip Reader
Magnetic stripe reader: Triple track (tracks 1, 2, 3),
high coercivity, bi-directional
Chip reader: ISO 7816, 1.8V, 3V, 5V; synchronous and
asynchronous cards; EMV Level 1 and 2 Type approved

Printers
Built in 2″ thermal printer
Integrated thermal printer with graphics capabilities
≥ 80mm/s / 18+ lines per second
Accommodates standard roll paper of 58mm (2.25 in.) width x
25mm (1.0 in) diameter, single ply – 3 rolls included in box
(6M / 20ft. each)

Audio / Microphone
Built in speaker and microphone

Protocols
Supports major NFC/contactless schemes, ISO14443 A&B,
MiFare capable, ISO 18092 capable

Applications
Poynt Terminal, Poynt Register, Settlement, Help

Other Features
Accelerometer, Gyroscope, Compass
3-axis accelerometer
3-axis gyroscope
Switchable full-scale ranges (≥ 5 ranges)

Security
PCI PTS PED and SRED 4.0, End to end encryption
Support TLS 1.2

Power
40 W, 12 V, 3.33A (100-240V) I battery: 4Ah, 4.2 V, 800 cycles
Power Adaptor: input 100 – 240 VAC, 50/60 Hz, 1.5A

Voltage
AC input 100 – 240 VAC, 50/60 Hz; DC output 12V 3.33A

Environmental
Operation 0° to 50°C, 90% Maximum non-condensing up to 45°C
Storage: -20°C to 75°C, 90% Maximum non-condensing up to 60°C

Physical
117 mm x 245 mm x 90 mm I 0.7 kg

Certification
EMVCo L1 and L2 certification, PTCRB NFCC

EMV ready
Device is EMV ready for standard PCI PTS 4.0

Smart Card Reader Life
Smart Card: 500,000 reads. MSR: 300,000 swipes.