

# R12

Retail Terminal  
Android 12 OS



payWave

EMVCO

MasterCard QTM

paypass

expressPay

- Omni-channel acceptance (swipe, chip, contactless, eWallet, pre-paid, barcode, and biometrics) and high-speed printing
- PIN on glass featuring a smooth transaction flow on a 5.5" touch screen and color display
- Handheld or countertop flexibility

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*TERMINOLOGY is the outlier in android POS terminal and kiosk technology.  
We enable secure, future proof and scalable Payment Solutions worldwide.*

# R12 Technical Specifications

Software Platform	Secure Android 12
Security	PCI PTS 5.1
Processor	Quad-Core @ 2.0GHz
Memory	2GB RAM, 16GB Flash
Display	5.5" multi-touch color LCD panel (720 x 1280)
Printer	High-speed 58 mm thermal printer
Biometrics	Capacitive fingerprint sensor (optional) option 1: 20 × 32 mm, 500 DPI, fake fingerprint detection, ISO 19794-2 option 2: 20 × 32 mm, 508 DPI, supporting ANSI-378 & ISO 19794-2 (FBI, FIPS201, and STQC certified) Facial recognition (Optional)
Scanner	Barcode scanner, Code 128, EAN-13/8, PDF417, Code39, Data Matrix, QR Code, UPC-A/E, ITF-6/14 Codabar, Interleaved 2 of 5, ISBN, ISSN, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code11, Industrial 2 of 5.
Camera	Front-facing (Optional) : 5MP or 8MP; Rear-facing : 5MP or Scanner
Contactless	ISO 14443 Type A & B, MIFARE, Sony Felica, Contactless EMV Level 1, MasterCard TQM, MasterCard PayPass, Visa payWave, American Express ExpressPay, Discover D-PAS, Anatel, Interac Flash L2, Rupay, MIR, Jspeedy
Chip Card	ISO 7816, EMV Level 1 & Level 2
MSR	ISO 7811, Track 1/2/3, bi-direction
Slots	SIM x1 + SAM x1 or SIM x2, TF x1
Communications	GSM, WCDMA, FDD-LTE, TDD-LTE, Wi-Fi, Bluetooth 4.0, USB2.0 (optional), Ethernet (optional), T-SIM (optional)
Audio	Built-in microphone and speaker
Satellite	GPS, GLONASS
USB	USB Type-C OTG, USB 3.1 HS compliance
Battery	7.2V/2600mAh
Charging	5V 2A adapter, DC charging, and a charging cradle
Environmental	Operating temperature: -10°C ~ 50°C (14°F ~ 122°F) Storage temperature: -20°C ~ 70°C (-4°F ~ 158°F) Relative humidity (non-condense): 5% ~ 95%
Dimensions	188 x 85 x 69 mm (7.4 x 3.3 x 2.7 inches)
Weight	415 g (0.9 lb)

All features and specifications are subject to change without notice. Contact TERMINOLOGY sales for more details.

