

S90

CUTTING-EDGE SMART TERMINAL



- High-Performance Octa-Core Processor
- High-Capacity Flat Battery for Extended Runtime
- Large immersive Touchscreen with Auto-Brightness



SHOPPING MALL



RESTAURANT



HOTEL



BANK



BEAUTY SALON

OS	Android 14	●
Processor	AP: Cortex Octa-core (4xA73 + 4xA53), Maximum 2.0GHz SP: Cortex-M3 security core, 192MHz	●
Memory	2GB RAM, 32GB FLASH 4GB RAM, 64GB FLASH MicroSD card slot up to 512GB	● Optional ●
Display	6.75-inch IPS full color LCD display, resolution of 720 x 1600, with adjustable backlight, capacitive multi-touch screen, support electronic signature	●
Customer Display	2.5-inch IPS LCD display, resolution of 400 x 142, capacitive touch screen	Optional ●
Wireless Communication	4G / 3G / 2G Wi-Fi (802.11 a/b/g/n/ac) 2.4G&5G Bluetooth 5.0	● ● ●
Positioning	GPS, GLONASS, BEIDOU, GALILEO	●
Magnetic Card Reader	Triple track, bi-directional, conforming to ISO 7810/7811/7813	●
Smart Card Reader	EMV L1/L2, conforming to ISO 7816, 1.8V/3V/ 5V, synchronous & asynchronous, T=0 & T=1	●
Contactless Card Reader	EMV Contactless L1, conforming to ISO 14443 Type A/B, Mifare, Felica, HCE	●
Camera	2 MP FF front camera, support 1D/2D code payment 5 MP AF rear camera + flashlight, support 1D/2D code payment 13 MP AF rear camera + flashlight, support 1D/2D code payment Professional code scanner, NLS-N1, hardware decoding , support 1D & 2D code payment	● ● Optional Optional
Audio	1 x Speaker, 2 x Microphones, Audio Port via Type-C to Audio Jack adapter, Support audio recording and media play	●
Keypad	1 x Power Button, 1 x VOL+, 1 x VOL-, 1 x Function Button, Secure virtual keypad for PIN entry	●
Printer	High-speed thermal printer, 90mm/s Paper roll diameter: 40mm Paper width: 58mm	●
Peripheral Ports	1 x Type-C, OTG, 6 x Pogo Pins. For additional peripheral ports can be supported by connecting to USB hub or docking station e.g. 2 x USB, 2 x RS232 , RJ45 (Ethernet)	●
Card Slots	2 x SIM, 1 x SD, 1 x SAM 1 x SIM, 2 x SAM, 1 x SD 1 x SIM, 2 x SAM, 1 x SD, 1 x eSIM	● Optional Optional
Battery	Polymer Battery: 7.6V/2600mAh 19.76Wh, Equal to 3.6V/5200mAh 19.76Wh Polymer Battery: 7.6V/3500mAh 26.6Wh	● Optional
Power Supply	Input: 100-240V AC 50/60Hz Output: 5.0V DC, 2.0A	●
Sensor	Vibration Motor, G-Sensor, Optical Sensor	●
Docking Station	Charging Base, Multi-functional Base	Optional ●
Dimensions	190mm (L) x 80.5mm (W) x 50mm (H) (Minimum height: 20mm)	●
Weight	386g including battery	●
Dimensions and weight may vary slightly depending on the module configuration		
Environment	Operating Temperature: -10°C~50°C (14°F~122°F) Storage Temperature: -20°C~60°C (-4°F~140°F) Relative Humidity: 5%~95% (Non-condensing)	●
Certifications	EMV L1, EMV CL1, PCI 7.x, EMV L2, Mastercard PayPass, Visa PayWave, ROHS, TQM, AE ExpressPay, D-PAS, CE, FCC, JCB, UnionPay QuickPass, ATEX, Discover D-PAS, Interac Flash, JCB J-Speedy	●
Please contact Newland NPT sales to obtain the latest and detailed certification information		



Optional professional scanner for fast payments and efficient inventory management.



Interactive customer touchscreen, providing more details and interaction.



Large NFC zone for intuitive contactless payments.



Versatile docking station for charging, communication, and connecting external devices.



Newland Payment Technology

©2026 Fujian Newland Payment Technology Co.,Ltd. All rights reserved.
Please be aware that all features and specifications are subject to change without prior notice.

