NewlandNPT

S90 Pro

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, 2.4 GHz	
	SP: Cortex-M3 security core	●
Memory	3GB RAM, 32GB FLASH	●
	4GB RAM, 64GB FLASH	Optional
	MicroSD card slot up to 512GB	●
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, support 1D/2D code payment	●
	13 MP AF rear camera, support 1D/2D code payment	Optional
	Professional code scanner, NLS-N1, hardware decoding , support 1D & 2D code payment	Optional
Audio	1 x Speaker, 2 x Microphones, 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, 6 x Pogo Pins	●
Card Slots	2 x SIM, 1 x SD, 1 x SAM	●
	1 x SIM, 2 x SAM, 1 x SD	Optional
	1 x SIM, 2 x SAM, 1 x SD, 1 x eSIM	Optional
Battery	Polymer Battery: 7.6V/2600mAh 19.76Wh	●
	Polymer Battery: 7.6V/3500mAh 26.6Wh	Optional
Power Supply	Input: 100-240V AC 50/60Hz Output: 5.0V DC, 2.0A	●
Environment Proof	IK05, IP53	●
Sensor	Vibration Motor, G-Sensor, Ambient light sensor	●
Docking Station	Charging Base, Multi-functional Base	Optional
Dimensions	190mm (L) x 80.5mm (W) x 50mm (H) (Minimum hight: 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	PCI PTS 7.x, EMV L1/L2, EMV Contactless L1, PayPass, payWave, American ExpressPay, Discover D-PAS,	
	UnionPay QuickPass, JCB, TQM, ATEX, CE, RoHS, GMS, FCC	●

Please contact Newland NPT sales to obtain the latest and detailed certification information



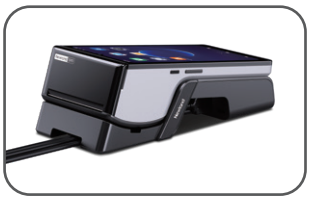
Optional professional scanner for fast payments and efficient inventory management.



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.

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Please be aware that all features and specifications are subject to change without prior notice.