

DATA SHEET

Dimensions (width x height x depth)

Without Pin Pad support	570 x 1224 x 673 mm
With Pin Pad support	680 x 1224 x 673 mm

Processor and communications: Android model



Processor	Rockchip RK3588
Cores	8
Architecture	4x ARM Cortex A76 @ 2,30 GHz 4 x ARM Cortex A55 1,80 GHz
GPU	Mali – G610
RAM	8Gb
Internal storage	64Gb
Operating system	Android 13
Audio output	1 x Jack female 3,5mm
USB	1 x 3.0-OTG, 1 x 3.0, 4 x 2.0 (type A)
Video	1 x HDMI
Ethernet connector	2 x RJ45 1000M
COM RS232 serial port	3 x DB9
Memory card slot	Micro SD
Play Store	No
Standby power	< 3W
Operating power	< 15W

Processor and Communications: Windows model



Processor	Intel core ultra 7 155U
Cores	12
Threads	14

Base frequency	1,7 GHZ
Maximum frequency	4,8 GHZ
RAM	DDR5 16GB
Internal storage	128 Gb SSD
Operating system	Windows 11 by default
WiFi	WiFi 6
Compatible with TPM 2.0	✓
Integrated graphics	Intel Arc Graphics
Audio	Realtek ALC897 HD
USB	4 x 3.2, 2 x 2.0
Video	1 x VGA, 1 x HDMI
Ethernet connector	1 x RJ45 1000M
COM RS232 serial port	6 x DB9
Standby power	< 3W
Operating power	< 60W

Display



Display size	15,6" (370.1x224.6x30mm)
Resolution	1920 x 1080
Screen density	320 dpi
Video connector	HDMI Input
Touchscreen connector	USB-A
Power connector	DC 12V input with AC 110V-240V adapter
Touchscreen	Capacitive multi-point (G+G)
Stereo speaker	2 x 2W
Brightness	250 nits
Contrast ratio	700 : 1
Color	16.7M
Viewing angle	178/178
Chassis	Aluminum and steel alloy
Surface	Tempered glass
VESA mount	75 x 75
IP65 protection	✓
Standby power	< 3W
Working power	< 15W

Scanner Specifications



Image sensor	CMOS Sensor Chip
Resolution	640×480 CMOS
Light Source	White Light LED
Focus	Red light LED
Supported Symbolologies	2D: QR Code, Data Matrix, PDF417, Aztec, Maxicode, HanxinCode 1D: EAN, UPC, Code 93, Code 128, UCC/EAN 128, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, ISSN, MSI-Plessey, GS1 Databar, GS1 Composite Code, Code 11, Industrial Code, Code 25, Plessey, Matrix 2 of 5
Barcode Accuracy	≥5mil
Depth of Field	EAN-13: 50mm-200mm (13mil) Code39: 40mm-90mm (5mil 10 bytes) QR Code: 25mm-240mm (20mil 16 bytes) D. Matrix: 50mm-90mm (10mil 20 bytes) PDF 417: 30mm-130mm (6.67mil 7 bytes)
Print Contrast	≥25%
Scan Angle	Corner 360°, Pitch angle ± 55° Skew tolerance ± 55°
Field angle	diagonal 42°
Comms interface	USB
Working Voltage	DC 5 V
Working currents	160mA
Standby currents	20mA
Working Temperature	-20°C~+50°C
Storage Temperature	-40°C~+70°C
Working Humidity	5%~95% (no condensation)
Dimensions	78mm x 62mm x 53mm

Printing Specifications



Ticket Printer	Thermal printing
Speed	170mm/sec
Resolution	576 DPI
Paper Width	80mm
Paper Roll Diameter	Max Ø 83mm
Auto cutter	√
Emulation	ESC/POS

RFID Controller



Operating System	Linux kernel 4.4.14
Memory	4GB Flash, 512MB RAM
Indicator type	1 x Power LED 1 x Reader Status LED 1 x Wi-Fi LED 1 x APP LED 4 x Antenna LED
RFID UHF	EPC Class 1 Gen 2 EU: 865-868 MHz US: 902-928 MHz
RFID Module	RM300 4-Port version (Chip: Impinj R2000)
Antenna ports	4 ports with RP-TNC connectors
RF Power output	0dBm to +30dBm, ±1.0dBm (Default 30dBm)
Communication WLAN	Wi-Fi Dongle
I/O Interfaces	2 x USB Type A 1 x USB Type B 1 x RS232 (DB9) 1 x RJ45
GPIO with terminal block	4 inputs / 4 outputs
Durability	IP52 sealing
Operating temperature	-20 ~ 60°C
Storage temperature	-40 ~ 85°C
Relative Humidity	5-95% non-condensing
Electrostatic Discharge	+/-12kV air discharge +/-8kV contact discharge
Regulatory Approvals	CE, FCC, VCCI, NCC, TELECOM, BMSI, SRRC
Dimensions	225 x 140 x 29 mm

RFID Antennas



Frequency Range(MHz)	902-928/865-868
Gain(dBi)	5dBi
Beam Width(°)	Hor:110 Ver:110
VSWR(°)	≤1.3
Impedance(Ω)	50
Axial ratio(dB)	≤2
Polarization	Circular polarization
Front-to-back ratio(dB)	≥8
MAX.Power(W)	50
Lightning protection	DC grounding
Connector	SMA-Male
Dimension(mm)	133*133*20mm
Antenna weight(kg)	0.4kg
Reflector material	F4B
Mounting hole size	4*φ4-109*109mm

Accessories

Visual Indicator	√
Auxiliary Module for Hangers and Alarm Disarming	√