



Bus Validator P18-Q

General

The industrial level terminal P18-Q Bus Validator with robust design for long-term front-line use supports all smart cards compliant to ISO14443 Type A & B, Mifare Classic, DESFire, FeliCa, P2P NFC, built-in the embedded powerful KunT11 4 Cores Cortex-A53 processor. P18-Q is designed with pole mount kit with quick release mechanism for easy access for bus payment which with complex unstable environment.

Features

- Android 9.0
- 600×1024 TFT color screen
- LED Status Indicators
- 4 LED from left to right blue, yellow, green, red, controllable
- 2 LED in the back from top to bottom green, red, controllable
- 4 function keys (F1, F2, F3, F4)
- Support power switch
- Built-in buzzer
- Built-in audio speaker
- Contactless smart card interface
- Support RS232 Interface
- Support Ethernet / USB/USB TypeC Interface
- Firmware Upgradeable
- Certifications: CE / FCC / CCC / QPBOC L1 / QPBOC L2 / EMV L1 / Visa-VCTKS / Mastercard-PayPass / RoHS / IP54

Specifications

Physical Specifications	
Case Color	Black
Processor	KunT11,4Cores Cortex-A53,2.0Ghz
Operating System	Android 9.0
Memory	LPDDR4 2GB eMMC 16 GB TF 1*
Power	
Supply Voltage	9-48 V DC
Supply Current	Max. 2A
Over Voltage Protection	Supported
Over Current Protection	Supported
Connectivity	

RS232	2 RS232 interface
Ethernet	Built-in 10/100-base-T with RJ45 connector
USB	2 USB 2.0 Host Full Speed
USB TypeC	OTG interface
WiFi	IEEE 802.11 b/g/n/ac
GPS	Supported
Bluetooth (Optional)	BT4.0 + BR/EDR + BLE
Barcode Scanner	1D Barcode Scanning
	2D Barcode Scanning
	QR Code Scanning
Contactless Smart Card Interface	
Standard	ISO-14443 A & B part 1-4
Protocol	Mifare® Classic Protocols, T=CL
Operating Distance	Up to 50 mm
Operating Frequency	13.56 MHz
SAM Card Interface	
Number of Slots	4 ID-000 slots
Card Connector Type	Contact
SIM	1*
Standard	ISO/IEC 7816 Class A, B (5V, 3V, 1.8V)
Protocol	T=0 or T=1
Firmware Upgradeable through	OTA
Built-in Peripherals	
LCD Display	600×1024 TFT LCD display with backlight, 6.95 inch (optional touchscreen)
Speaker	Supported
Buzzer	Supported
LED Status Indicators	4 LEDs for indicating status (from left most: blue, yellow, green, red)
Other Features	Real Time Clock
Work Conditions	Temperature: -40°C ~80°C Humidity: 5% to 93%, non-condensing
Certifications/Compliance	QPCOC L1, qPCOC L2, CE/FCC, RoHS, CCC, Contactless EMV L1/L2, IP54, Visa-VCTKS, Mastercard-Paypass

Applications

- Transportation
- Bus Validator
- Parking



Picture

