CTFPND-9D

Improve Vehicle Driver's Efficiency and Optimize Fleet Performance

OS
Android 12
Android 14

Performance
Octa-Core Processor

Wireless
Wifi, Bluetooth

Battery
Long-lasting 4300mAh

Operating Temp.
-10°C to 60°C

Camera
20MP Autofocus with flash

Display
7"(1024 x 600)

Drop Resistance
1.2 m (4 ft)

Cradle Design
RS232 interface and OTG supported

Network
2G / 3G / 4G with voice; Proved reliability network connection

Extended Features
Camera hub support up to 4 1080p camera input and with HDD loop recording capacity
Lora module to connect wireless Lora temp sensor

RFID
Front access, easy for driver to login

MDM Remote Control Server
Topicon's device management server is developed to allow customer to update different firmware and make kiosk mode

CTFPND-9D

Specification

PERFORMANCE CHARACTERISTICS	
CPU	2.0GHz Octa Core Processor
OS	Android 12 / Android 14 with GMS or without GMS
Memory	4GB LPDDR4X 64GB eMMC

PHYSICAL CHARACTERISTICS	
Dimensions	210mm L x 130mm W x 15mm D
Weight	520g
Display	7inch, IPS panel (1024 x 600 pixel)
Touch Panel	Capacitive multi-touch / Glove, Wet, Stylus
Backlight	LED Backlight
Power	Battery 3.7V 4300mAh
Expansion Slot	User accessible micro SDXC card slot (standard supports up to 256GB)
SIM	Standard SIM
Interface	Docking Connector (15-pin) USB Type C (2.0) (OTG)
Notification	Audible tone, Charging Status LED
Voice / Audio	Speaker, Microphone, Headphone
Keypad	On-screen keypad

WIRELESS WAN DATA AND VOICE COMMUNICATION	
Radio Frequency	2G-GSM: 850,900,1800,1900 3G-WCDMA: B1,B2,B4,B5,B8 4G-LTE FDD:B1,B2,B3,B4,B5,B7,B8,B12,B17, B20,B28,B66 4G-LTE TDD:B40,B38,B41
GNSS	GNASS, GLONASS, GALILEO, A-GPS

WIRELESS LAN	
Radio	802.11 b/g/n/ac 802.11 d/e/h/i/j/k/r/v/w IPv4, IPv6
Data Rate	5GHz: 802.11a/n/ac — up to 500 Mbps; 2.4GHz: 802.11b/g/n — up to 144Mbps
Security and Encryption	WFA WPA/WPA2 Personal, AES-CCMP, WPI-SMS4, GCMP, WPS2.0, WAPI (hardware)

WIRELESS PAN	
Bluetooth	V5.0

DATA CAPTURE	
Camera	Rear 20MP Autofocus
Video Input (Optional)	Support one channel AHD 720P and 1080P camera (w/Cradle) Support four channels AHD 720P,1080P and analog camera (w/Camera Hub)
NFC	Supported TAG-ICs: MIFARE Classic 1k/4k/Plus, MIFARE UltraLight MIFARE UltraLight C, MIFARE DESFire MIFARE DESFire Ev1, ISO 14443 A & B, ISO 15693
Serial Communication	RS232

SENSOR	
Ambient Sensor	Light Sensor
Motion Sensor	Accelerometer, E-Compass, Gyroscope

USER ENVIRONMENT	
Operating Temp.	-10℃ to 60℃ / -4°F to 140°F
Storage Temp.	-20℃ to 70℃ / -4°F to 158°F
Humidity	90% non-condensing
Drop Spec.	1.2m / 4 ft
Electrostatic Discharge (ESD)	+/-8kVdc air discharge +/-4kVdc direct discharge

OPTIONAL ACCESSORIES
Vehicle docking station Metal dash mount NFC reader at docking station Extra input and output at docking station

* Specification is subject to change.