

HD20

Handheld Data Collector Terminal Powered By RFID Technology



Features

- Equipped with RFID technology (LF & HF)
- Connections: WIFI, GSM and A-GPS
- Programmable with C language
- Windows DLL for high level PC languages
- Small and light

Applications

- Data gathering for log sheets, check lists, ...
- Electronic payment (Tapco eCardPark system)
- Information management in electrical power plants, refineries, ...
- Animal information management, Tree information management, ...
- Security inspection
- Periodic and technical inspection
- Customer loyalty system
- Activities management in congress
- Portable attendance system



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HD20 Specifications

General

Microcontroller	Silicon lab, 48MHZ
RAM	8Mbytes Flash
Date & Time	Real Time Counter (RTC)
Keyboard	25Keys: Digits and Functional, On/ Off key
Display	Graphic LCD, Two types of fonts: Large (4*16), Small (8*18) Contrast controllable, Backlight On/ Off
Other	Buzzer DC

Power

Battery	Chargeable Li-ion, 3.7V/ 2000mAh
Charger	Adaptor 5V/ 1A, USB 5V
Work Time with Full Battery	Backlight Off: more than 24 hours
Data Retention	10 Years
Power Management	Turn Off Backlight Automatically Turn Off Device When Power is Low

Connectivity

RFID Reader/ Writer	RFID HF 13.56MHz Reader/Writer RFID LF 134.2KHz Reader RFID LF 125KHz Reader
miniUSB	For data exchange with PC and Battery Charging
D-Connector 9Pin Male	Connect to external RFID antenna
WIFI	802.11 b/g/n protocol +19.5dBm output power in 802.11b mode
GSM	Frequency band: (Quad-band) GSM 850 EGSM 900, DCS 1800, PCS 1900 Transmitting power: Class4 (2W) at GSM 850 and EGSM 900 Class1 (1W) at DCS 1800 and PCS 1900

Physical Characteristic

Size	191* 73* 32 mm (Length, Width, Thickness)
Case Type	ABS
Weight	275g (with battery)
Working Temperature	- 20 ~ 55 °C
Storage Temperature	- 30 ~ 70 °C
Humidity	20 ~ 95% RH

Accessories

USB Cable
Adaptor 5V/ 1A
Carrier bag
RFID HF 13.56MHz Reader/Writer (optional)
RFID LF 125 (134.2) KHz Reader (optional)
External RFID LF Reader (optional)
WIFI module (optional)
GSM, A-GPS module (optional)

Development tools

Windows DLL
C Libraries

One Year Warranty , Five Years After Sales Services