GFUVE

PRODUCT INTRODUCTION

PDA

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GF800D

Handheld Terminal

GF800D is a professional terminal that was designed by GFUVE used for electronic meter reading. The perfect handle design makes people much easier & simpler when using it for work.
It can be used in many field, like reading electric meters (IR or RF), reading barcodes for management, also can be used a Data collecting machine. Its IP65 Protection level and stable & reliable Wince 5.0 Operation System makes it to be your good assistant.

Features

1. Using WINCE 5.0 operation system, developing the application software easily
2. Have high standard design of industrial level IP65
3. The side of terminal has a seal and attaching rubber, it make the terminals waterproofing and dust-free
4. Read data of electric energy meter via IR
5. Support a bar code scanning
6. Support WIFI, Bluetooth, GPRS and so many communications
7. Support 433M/868M/925M RFID module
8. Support13.56M module
9. support the communication functions of USB2.0, RS232

Parameters

Basic parameters	
Operation system	WINCE 5.0
CPU	ARM 32bit 405MHz
Display	2.8 Inch TFT display, 320×240 pixels with touch screen
Keypad	27 keypads
Communication ports	USB2.0, RS232, RS485, IR
Scan module	IRDA
Communication option	433M/868M/925M/13.56M/GPRS
Battery	3.7V lithium battery, 4400mAH
Drop height range	1.5 M
Sealed classes	IP65

Basic parameters - continued	
The specifications of laser security	Meet IEC Class 2/FDA Class II, IEC60825-1/EN60825-1
Memory	RAM 512M, Flash ROM 128MB
Mechanical parameters	
Dimensions (L×W×H) (mm)	196×58×42
Weight (g)	420 (including battery)
Environmental conditions	
Work temperature	-20°C to +50°C
Work humidity	5%-90% (without condensation)
Storage temperature	-30°C to +70°C
Storage humidity	5%-95% (without condensation)

GF900

Meter IR Reading Device

GF900 meter IR reading device is independent developed by GFUVE. It is a new simple far infrared data acquisition terminal, embedded design, low power consumption, English operating system, high speed and long distance of meter reading, It provides a simple and reliable meter reading solution for power system.

Features

1. Shock: circuit board components glue reinforcement; Liquid crystal soft rubber pad around Cun protection
2. Prevent slippery: sideways tooth type to the rear of the silica gel handle and the noose form double prevent slippery protection
3. Resistance to cast: the use of advanced nano lens, add the stem of the thick crust, slippery lock button battery cover, machine 1.5 m fall without damage
4. Anti-interference: special circuit processing can effectively resist battery interference, to ensure that the data security
5. Waterproof: high precision mould making, fully enclosed shell design, effectively prevent the rain water invasion, ensure the safety of the outdoor rain weather use
6. Advanced power source design: machine use rechargeable batteries, also can use alkaline batteries, battery capacity than ordinary meter reading machine high three times

Parameters

Basic parameters	
CPU	ARM 32 bit CPU
Data memory	Flash 64M, the system takes up 3M, user actually usable 60M. SRAM 0.5M
ROM	2M
RAM	512K
Deals	Meet GB2312-80 level 2 deals
Screen	160 x 160dpi LCD, 3.2-inch, a screen can show 200 characters.
Communication interface	A standard RS232 interface (communication 1200 BPS rate-115200 BPS) A USB interface An infrared interface
Communication option	GPRS, 2.4GHz, 433MHz, 489MHz, 925MHz, 915MHz, 13.56MHz
Keyboard	20 key, transparent resin coating.
Add function	The clock, low voltage alarm.

Basic parameters - continued	
Infrared	High-speed infrared communication
Meter reading angle	60 degrees
Infrared communication distance	3-7m (and infrared transmission power meter relevant); farthest 12 meters
Communication agreement	DL/T645-1997 "multi-function watt-hour meter communication rules" and added statute, DL/T645-2007 "multi-function watt-hour meter communication rules" , IEC62056 protocol
Working voltage	3.6V DC (2300mA Lithium battery)
Working current	<16mA
Sealed environment	IP54
Mechanical parameters	
Dimensions (WxDxH) (mm)	160x60x28
Weight (g)	118 (no battery), 220 (include battery)
Environmental conditions	
Working temperature	-5°C to 50°C
Storage temperature	-20°C to 70°C

GF900P

Handheld Terminal With Printer

GF900P is a handheld terminal with the printing function; you can print service bill or product bill on the spot. It is the upgrade version of the GF900 by GFUVE. Makes your work simple and effective.

Features

1. Advanced design concept compound the terminal with the printer together
2. Carry out data acquisition and analysis
3. Reading data of electric energy meter via IR
4. High capacity rechargeable of lithium, low consumption printer, the pos terminal can work long time
5. Have two ways (sound and light) to notice user whether the printer is being short of power or short of paper

Parameters

Basic parameters	
CPU	ARM32 CPU 132MHz (SAMSUNG)
Operation system	TPOS
RAM	512K
ROM	2M
Flash	64M Flash
Display	3.2 inch display, 160x160 pixel
Real time	Much less than 0.5 seconds every day under common temperature
Keypad	20 keypads
Non-slip function	Non-slip handle design, the battery back can locked to prevent battery cover lost
Power off protection	Using flash technology, the data is still safe preservation after power off
Control instruction	ESC/POS compatible instruction sets
Communication ports	RS232, IR, USB2.0
Optional configuration	IR
Battery	High capacity rechargeable of lithium battery
Programming language	C language, DBF database development system

Seiko printer	
paper diameter	40mm
The maximum width of the printing paper	58mm
The maximum width can be printed	48mm
Print method	Thermal line printing
Resolution	8 dots/mm (203dpi)
The count of every line	384 dots， every line can print 16 Chinese characters or 32 characters
Print contents	Chinese, Number, English, Graphics, Curve, Barcode
Print speed	45mm/s
Mechanical parameters	
Dimensions (LxWxH) (mm)	195×65×45
Weight (g)	About 256 (not including battery)
Environmental conditions	
Work temperature	-5°C to 50°C
Storage temperature	-25°C to 70°C

GF1100

Handheld Terminal

GF1100 is the best cost performance handheld terminal made by GFUVE, it can be used in many field, like reading electric meters (IR or RF), reading barcodes for management, also can be used a Data collecting machine. Its IP54 Protection level and stable & reliable Wince 6.0 Operation System makes it to be your good assistant.

Features

1. Support USB2.0, RS232, IRDA;
2. Support WIFI, Bluetooth, GPRS;
3. Support 433M/868M/915M RFID module;
4. Support 13.56M module;
5. Support GPS application;
6. Support Micro SD card Support 32GB;
7. Support all language display to develop application software

Parameters

Basic parameters	
CPU	ARM926, 400MHz
Memory	RAM 512MB, Flash 64MB TF card can expend to 32GB
Display	2.8 Inch TFT display, 320×240piexl, 26 thousands color
Keypad	21 keypads
Communication	USB2.0, RS232, RS485
Wireless communication	WIFI, Bluetooth, GPRS are optional
Scan module	1D laser, IRDA
Battery	3.7V lithium battery, 2800mAH
Drop height range	1.2 M
Sealed classes	IP54
The specifications of laser security	Meet IEC Class 2/FDA Class II, IEC60825-1/EN60825-1

Mechanical parameters	
Weight (g)	405 (including battery)
Dimensions (LxWxH) (mm)	160×58×42
Environmental conditions	
Work temperature	-20°C to +50°C
Work humidity	5% - 90% (without condensation)
Storage temperature	-30°C to +70°C
Storage humidity	5% - 95% (without condensation)

GF2000

Handheld Terminal

Free SDK is provided for customers' secondary development. Also we can customize the application software if required.

Application field

1. Livestock management with RF-Tag
2. Electricity, Gas, Petrol meters reading and billing
3. Hotel, Supermarket, Retail, Restaurant, Convenience store management.
4. Surveying & data collecting.

Features

1. Android 4.0 or Wince 6.0 operating system, easy to develop applications for them.
2. 1G Hz ARM11 CPU makes sure the fast operating speed of the device.
3. IP64 Protect Level
4. GPRS/WCDMA/CDMA can be customized as your requirement
5. RF/HF/UHF can be customized to match your system
6. 1D/2D barcode supported
7. Stable

Parameters

Basic parameters	
CPU	ARM11 1G Hz
Memory	KE44A-26BN/4GB, EDE2116AEBG-8E-F/1G
Operating system	Android 4.0
Communication	USB2.0, 38K Infrared (Can transfer as far as 12m.)
Display screen	3.5-inch touch screen, 640x480 dots
Keyboard	25 Silicone keyboard
Battery	Rechargeable battery 3000mA/3.7V
Expansion slots	MICRO SD card
SIM card slot	2 slots
Audio	High-volume speakers
Camera	300 pixels, LE D flashlight

Basic parameters - continued	
GPS	Accuracy of 3 m, UBLOX NEO-6M GPS-six
Drop specifications	6 surfaces can withstand drops from 1.5 meters to concrete impact
Scroll to specifications	1,000 times 0.5 meters, six rolling contact surface
Sealed environment	IP64
Wireless communications (option)	GSM/GPRS/EDGE: GSM850/EGSM900/DCS1800/PCS1900 WCDMA/HSDPA:2100M(band I), 1900M(band II), 850M(band V) CDMA2000
Wireless module (option)	IRDA, RF, HF, UHF
E-Tag RF13.56mhz (option)	
Supported standards	EPC Gen 1 (0kind, 1kind) and Gen 2
Low working frequency	125kHz
Tabdomining	EM 125KHz
Working frequency of high frequency	13.56MHz
Protocol standard	ISO14443A/B, IS015693,
Nominal read range	5.0cm to 10cm
Rated write scope	5.0cm to 10cm
Range	From the front of the device from the 70° angle (according to the band)
Barcode reader (option)	
Optical resolution	0.005 inches minimum bar width
Rotation angle	Vertical deviation angle +/-30°
Tilt angle	The angle from normal +/-65°
Offset visual tolerance	Deviation from the normal angle of +/-60°
Ambient light: Sunlight	8,000 ft. candles (86,112 Lux)
Artificial light	450ft.candles(4,844Lux)
Scanning frequency	50 scans per second (+/-6) times (two-way)
Scan angle	46.5° (standard)
Laser power	1.0 ma (standard)
Reading accuracy	Laser greater than 6 mil
Laser safety	IEC2/ FDA II grade, standards compliance IEC60825-1/ EN60825-1
Camera	Supported for 2D barcode Read
Mechanical parameters	
Dimension (L×W×H) (mm)	200×70×27
Weight	Includes standard battery 320 g
Environmental conditions	
Working temperature	-20°C to 50°C
Storage temperature	-25°C to 70°C
Humidity	5%RH-95%RH(no condensation)

GF2000P

Handheld terminal with inbuilt printer

Free SDK is provided for customers' secondary development. Also we can customize the application software if required.

Application field

1. Lottery
2. Surveying
3. Electricity, Gas, meter reading and billing
4. Travel & Ticket billing for Air Ticket, Railway, Subway, Taxi Bus, Movie.
5. Hotel/Supermarket/Retail/Restaurant/Convenience store management

Features

1. Android 4.0 or Wince 6.0 operating system, easy to develop applications for them
2. 1G Hz ARM11 CPU makes sure the fast operating speed of the device
3. Seiko Printer 8/mm (203dpi)gives you a good resolution of the printing
4. GPRS/WCDMA/CDMA can be customized as your requirement
5. RF/HF/UHF can be customized to match your system
6. 1D/2D Barcode Supported

Parameters

Basic parameters	
CPU	ARM11 1G Hz
Memory	2G
Operating system	Android 4.0
Communication	USB2.0, 38K Infrared (Can transfer as far as 12 m.)
Display screen	3.5-inch touch screen, 640x480 dots
Keyboard	25 Silicone keyboard
Battery	Rechargeable battery 2000mA/7.2
Expansion slots	MICRO SD card
SIM card slot	2 slots
Audio	High-volume speakers

Basic parameters - continued	
Camera	300 pixels, LED flashlight
GPS	Accuracy of 3 m
Drop specifications	6 surfaces can withstand drops from 1.5 meters to concrete impact
Scroll to specifications	1,000 times 0.5 meters, six rolling contact surface
Sealed environment	IP64
Wireless communications (option)	GSM/GPRS/EDGE: GSM850/EGSM900/DCS1800/PCS1900 WCDMA/HSDPA:2100M(band I), 1900M(band II), 850M(band V) CDMA2000
Wireless module (option)	IRDA, RF, HF, UHF
E-Tag RF13.56mhz (option)	
Supported standards	EPC Gen 1 (0kind,1kind)and Gen 2
Low working frequency	125kHz
Tabdomining	EM 125KHz
Working frequency of high frequency	13.56MHz
Protocol standard	ISO14443A/B,IS015693,
Nominal read range	5.0cm to 10cm
Rated write scope	5.0cm to 10cm
Range	From the front of the device from the 70 ° angle (according to the band)
Barcode reader (option)	
Optical resolution	0.005 inches minimum bar width
Rotation angle	Vertical deviation angle +/-30°
Tilt angle	The angle from normal +/-65°
Offset visual tolerance	Deviation from the normal angle of +/-60°
Ambient light: Sunlight	8,000 ft.candles (86,112 Lux)
Artificial light	450ft.candles(4,844Lux)
Scanning frequency	50 scans per second (+/-6) times (two-way)
Scan angle	46.5 ° (standard)
Laser power	1.0 am (standard)
Reading accuracy	Laser greater than 6 mil
Laser safety	IEC 2 / FDA II grade, standards compliance IEC60825-1/EN60825-1
Camera	Supported for read 2D Barcode
print	
Paper diameter	45mm
Print method	Thermal line printing
Resolution	8/mm (203dpi)
Dots per line	384dots,32 English characters/ line
Print contents	Chinese, Numbers, English, all kinds of symbols
Printing speed	50mm/s (adjustable)
The way loading paper	Clamshell type paper

Seiko printer - continued	
Paper out test	When the printer runs out of paper function sounds
Black label test	Yes
Mechanical parameters	
Dimension (L×W×H) (mm)	200×60×50
Weight	Includes standard battery 320 g
Environmental conditions	
Working temperature	-20°C to 50°C
Storage temperature	-25°C to 70°C
Humidity	5%RH - 95%RH(no condensation)