



HUAWEI F616

Fixed Wireless Terminal

- WCDMA/GSM dual mode
- Voice service
- SMS
- Data service
- Plug and Play
- Headset interface
- Internal antenna
- HD-voice

Standard

WCDMA/GSM/GPRS/EDGE

Voice service

Supports the high-quality voice service (FR, HR, EFR or AMR-WB)

SMS

Supports sending and receiving text short messages. A message can be sent to more than one person at the same time

Data service

Supports the WCDMA/GPRS packet switched (PS) domain data service:
WCDMA PS: UL 384kbps/DL 384kbps, WCDMA CS: UL 64kbps/DL 64kbps,
EDGE CS: UL 384kbps/DL 384kbps, GPRS: UL 53.6kbps/DL 26.8kbps

Plug and Play

Installing the driver and the modem automatically (Operating System: Windows 2000, Windows XP, Windows Vista 32 bit or 64 bit, Windows 7 32 bit or 64 bit)

Headset interface

One 3.5 mm earphone interface

Internal antenna

Supports internal antenna

Multiple supplementary services

Supports multiple supplementary services: caller ID display, call forwarding, call waiting, call hold, call barring and three-way calling (depending on the network)

Elegant design

The Fixed Wireless Terminal (hereinafter referred to as the FWT) is an ideal wireless terminal for the household and corporation use

Hardware Specifications

Physical specifications

- Dimensions (W × D × H) :
230.6mm x 148.5mm x 182.4mm (with table stand)
230.6mm x 183.2mm x 59.5mm (without table stand)
- Placement: Horizontally placed, wall-mounted and table stand
- Weight : Less than 900 g (including the battery)

Interface

- (U)SIM card interface: standard 6-pin (U)SIM card interface
- USB interface: USB type A interface, for the parameter configuration and data service
- Power supply interface: 1 pin connector
- Headset interface: one 3.5 mm earphone interface
- Antenna: Internal antenna interface

Power supply

- AC : 100 V - 240 V
- DC : 5 V, 1 A

Battery

- Type: NiMH, rechargeable battery
- Capacity : 3.6V, 1000 mAh
- Typical standby time: 150 hours (depending on the network)
- Typical talk time: 4 hours (depending on the network)

Keypad

- Shortcut key: (29 keys) Left/right function key, Up/down/left/right navigation key, OK key, SOS key, DND(Do Not Disturb) key, Line1 key, Line2 key, two volume adjust key, Hold key, Trans key, Conf key, Mute key, CLIR/P (Calling line Identification Restriction/ Presentation Supplementary Service) key, earphone key, hands-free key, call/redial key, LND (Last Number Dialed Redial) key, LNR (Last Number Received Redial) key, 5 customized speed dialing keys, power on/off key
- Number key: (12 keys) 0-9, *, #
- Reset key: 1 key

Display Screen

- Type: STN
- Color: monochrome
- Size: 2.4 inches
- Backlight: yellow and green
- Resolution: 128 × 64 dots matrix

Working environment

- Working temperature: -10 °C to +55 °C
- Storage temperature: -20 °C to +70 °C
- Working humidity: 5% to 95%

Frequency specifications

Item	Description
Technical standard	<ul style="list-style-type: none">WCDMA: 2100/900MHzGSM/GPRS/EDGE: 900/1800/1900MHz
Working frequency	<ul style="list-style-type: none">WCDMA 2100MHz: 1920 ~ 1980MHz/2110 ~ 2170MHz(uplink/downlink)WCDMA 900MHz: 880MHz ~ 915MHz/925MHz ~ 960 MHz (uplink/downlink)GSM/GPRS/EDGE 900MHz: 880 ~ 915MHz/925 ~ 960MHz(uplink/downlink)GSM/GPRS/EDGE 1800MHz: 1710 ~ 1785MHz/1805 ~ 1880MHz(uplink/downlink)GSM/GPRS/EDGE 1900MHz : 1850MHz ~ 1910MHz/1930MHz ~ 1990MHz(uplink/downlink)
Maximum transmit power	<ul style="list-style-type: none">WCDMA 900/2100MHz: 24dBm (+1dB/-3dB)GSM 900MHz: 33dBm(±2dB), GPRS 900MHz: 33dBm±3dB, EDGE 900MHz: 27dBm(±3dB)GSM 1800/1900MHz: 30dBm(±2dB), GPRS 1800/1900MHz: 30dBm(±3dB), EDGE 1800/1900MHz: 26dBm(±3dB)
Static sensitivity	<ul style="list-style-type: none">WCDMA 900MHz: better than -104.7dBm/3.84MHzWCDMA 2100MHz: better than -106.7dBm/3.84MHzGSM/GPRS/EDGE 900/1800/1900MHz: better than -105dBm/200KHz

Software Specifications

Voice service

- Supports the voice service (FR(full rate), HR(half rate), EFR(enhanced full rate) or AMR-WB(adaptive multi-rate-wideband))
- Dial the recently dialed number
- Dial a number from the phone book
- Supports volume adjustment of 6 level
- Speed dialing
- Supports DTMF secondary dialing
- Supports emergency calls
- Supports HD-voice

Call history

- Missed calls: Up to 20 records
- Received calls: Up to 20 records
- Dialed calls: Up to 20 records

● Phone book

- The FWT memory: Up to 4000 contacts
- The (U)SIM card memory: depend on the (U)SIM card memory
- Copy record from the FWT to the (U)SIM card or from the (U)SIM card to the FWT
- Contact group: Up to 10 groups
- You can save the name, mobile phone number, office number, home number, email address, and fax number for a contact, and also add a ringing tone for the contact

● SMS

- Supports sending and receiving text short message
- The (U)SIM card memory: depend on the (U)SIM card memory
- Supports reading and writing short message from the (U)SIM card.
- The FWT memory: The memory is shared by the inbox, outbox, and draft, saving up to 1000 messages
- Message group: A message can be sent to more than one person at the same time (up to 100)
- Supports sending a message through the phone book
- Segments a long text message to short messages during the sending period and combines the short messages to form the original message during the receiving period
- Supports voice message

● Data service

- The FWT can be connected with a PC to provide data service
- WCDMA data service: CS 64 kbps/64 kbps (Uplink/Downlink); PS 384 kbps/384 kbps (Uplink/Downlink)
- GPRS data service: PS 85.6 kbps/85.6 kbps (Uplink/Downlink)
- EDGE data service: PS 236.8 kbps/236.8 kbps (Uplink/Downlink)
- GSM data service: CS 9.6 kbps/14.4 kbps (Uplink/Downlink)
- Installing the driver and the modem automatically
- When functioning as a modem, the FWT can make or answer voice calls and receive or send text messages

● Profiles

- Normal
- Activity
- Silent
- My profile

● Application

- Alarm
- Calendar
- SDN (Service Dial Number)
- Calculator
- World time

● Safety setting

- Key Guard
- FWT lock
- PIN code ((U)SIM card dependent)
- FDN (Fixed dialed number, (U)SIM card dependent)

● Ringtone and Prompt

- Incoming call prompt
- New message prompt
- The FWT provides 3 ringtones for SMS
- Low battery prompt
- Alarm prompt
- Key beep
- The FWT provides 20 kinds of 72-chord ringtones for incoming call
- Power on/off ringtone

● Visual indicators

- Battery level indicator
- Low battery level
- Received Signal Strength Indicator
- No service
- Hands-free
- Alarm clock
- Earphone
- In power supply mode
- Dialing/in conversation
- Unread messages
- Voice messages

● Supplementary services (Network dependent)

- Caller ID display/ Caller ID blocking
- Call waiting
- Call forwarding
- Call holding
- Call barring
- Three-party call/Conference call
- SOS
- DND(Do not disturb)

Packing List

● Standard configuration

- Main unit, handset, and coiled cord
- Battery
- AC power supply adapter
- User Guide

● References for Optional Accessories

- Data cable: It is used to maintain the FWT and provide data service
- Table stand