


GSM Fixed Wireless Terminal (FWT) Specifications

Model	GSM-188D V10	
Appearance		
No	Specification Items	Compliance
1	Features	
1.1	General Features	
1.1.1	Good voice quality with echo cancellation	Yes
1.1.2	Selective call barring outgoing(STD / ISD / STD &ISD / ALL)	Yes
1.1.3	Caller Line Identification - CLI	Yes
1.1.4	Two RJ-11 ports to connect to standard telephone instrument/cordless/PBX	Yes
1.1.5	Internal backup battery	optional
1.1.6	Support OTA function	Yes (V10 without)
1.1.7	Support GPRS	optional
1.1.8	Polarity Reveral for Billing Machines	Yes
1.1.9	16 KHz metering pulse	Yes
1.1.10	Auto Area Code Prefix for local calls Dialing	Yes
1.1.11	TNC connector for attaching external Yagi or Patch Panel Antenna	Yes
1.1.12	BTS locking	Yes
1.1.13	SIM to FWT lock	Yes
1.1.14	FWT to SIM lock	Yes
1.1.15	FWT to network lock	Yes
1.1.16	Wall mountable	Yes
1.1.20	Internal rate table	Yes
1.1.21	Calling Cost display	Yes
1.1.22	Support AMR,EFR,FR,HFR	Yes
1.1.23	Internal 16 KHz converter with EEPROM /Flash ROM with STD code and pulse duration table	Yes
1.2	Network Dependent Features	
1.2.1	Call Waiting	Yes (V10 without)
1.2.2	Call Forwarding	Yes (V10 without)
1.2.3	3-Way Conferencing	Yes (V10 without)
1.2.4	CNID-Caller Number Identification Display	Yes
1.3	Display	
1.4.1	Color	Black & white
1.4.2	Number of characters per line and number of lines	15*1
1.4.3	CLI display	Yes
1.4.4	Signal strength	Yes
1.4.5	Time and Date Display	Yes
1.4.6	Dimensions of the display	83.5mm(W)*21mm(H)
1.4.7	Back light	Yes
1.4.8	Back light options - OFF when idle, ON when receive incoming call, ON when originating outgoing calls	Yes
1.4.9	Internal Battery Meter	Yes
1.4.10	Calling Cost (cost of each caling or total cost)	Yes
1.4.11	Numbers of call History with call Timing, Costs and other Details	10 entries
1.4	Feature Indications	
1.4.1	RSSI Indication	Yes
1.4.2	No Service / Service Indication	Yes
1.4.3	Battery status indicator	Yes
1.4.4	Charge indicator	Yes
2	Technical Specifications	
2.1	Air Interface	
2.1.1	Air Interface Standard	GSM900Mhz/DCS1800MHz or 850/900/1800/1900MHZ
2.1.2	Vocoder Supported	AMR,EFR,FR,HFR
2.1.3	Channel Bandwidth	200k

2.1.4	Frequency Stability	EGSM:+60Hz DCS:+-100Hz
2.1.5	Maximum RF Output Power (W)	2W @850/900MHz 1W @1800/1900MHz
2.1.6	Minimum Control Output Power and Control Power Range	<-50dBm
2.1.7	Receiver Sensitivity	-104dBm
2.1.8	GPRS multi-slot	Class 10/8
2.1.9	GPRS mobile station	Class B
2.2	Physical Specification	
2.2.1	Weight	g
2.2.2	Dimensions	
2.2.3	Color	Optional
2.2.4	Desktop or Wall amount installation and method of installation	Yes
2.3	Environment Specification	
2.3.1	Operating Temperature	-10~55°C
2.3.2	Storage Temperature	-20~70°C
2.3.3	Operating Humidity	5-95%
2.3.4	Storage Humidity	5-95%
2.4	Electrical Specification	
2.4.1	Input Voltage of AC/DC adaptor	110-300VAC
2.4.2	Line Frequency	47-63Hz
2.4.3	Output Voltage of AC/DC adaptor	12VDC
2.4.4	Output Current of AC/DC adaptor	1A
2.4.5	AC Plug Type of AC/DC adaptor	2pin
2.4.6	DC Plug Type of AC/DC adaptor	DC Plug, 5.5X2.1x10.2mm
2.4.7	Input DC voltage of FWT	11VDC to 20VDC
2.4.8	DC Jack Type of AC/DC adaptor	DC Jack, matched with the above AC/DC adaptor
2.4.9	Availability of over voltage protection in AC/DC adaptor	Yes
2.4.10	Availability of over voltage protection in terminal	Yes(when <28V)
2.4.11	Voltage of SIMCARD	1.8V/3V
2.5	Connectors	
2.5.1	RJ-11 interface for voice	RJ11*2
2.5.2	Port for Data	USB port
2.5.3	Antenna Connector	SMA
2.5.4	Upgrading interface	Serial slot (located near to SIMCARD slot)
3	Accessories	
3.1	Backup Battery	
3.1.1	Battery Type	Ni-MH(six in one batch)
3.1.2	Capacity (Ah)	1300mAh
3.1.3	Battery stand by time	>24hours
3.1.4	Battery Talk time	>2hours
3.2	External Antenna	
3.2.1	Antenna Type	whip / omni/ yagi ant. Optional
3.2.2	Antenna Gain, configuration, polarization, BW (Hori. &Vert.)	Antenna Gain:2 dBi polarization:Vertical BW:900/1800 MHZ or 850/1900MHz
3.2.3	Antenna dimensions	112mm/210mm/Omni ant. with 3m cable
3.2.4	Antenna connector type	SMA
4	PST Tool & Software Update Tools	
4.1	Availability of PST tool	No
4.2	Availability of Software Update Tool	Yes