



Clarity S1804 FWT

Maximize wireless performance with Transense Communications Clarity S1804 Series Fixed Wireless Terminal (FWT). Take advantage of the established worldwide availability of either GSM or CDMA Systems for all of customers' communications requirements, including digital voice, analog fax (optional), which can provide access to home, office or any remote location where phone service is needed and GSM or CDMA wireless networks are available. At the same time, the S1804 can provide polarity reversal signal and can be connected to a separate meter to monitor voice call duration which is very ideal for a wireless payphone solution.

The S1804 has 4 lines FWT, which provides wireless access through either a GSM or a CDMA network. The S1804 connects to either a normal phone as stand alone or can also be connected to a PBX. The S1804 also provides charging signal and stat. function, available for small/middle size enterprise and public call office.

Features

- Power supports 220V AC and 48V DC
- One 16 Pin connect port, extend to 8, 12 and 16 lines
- RS232 port connect billing NMS for charging or parameter configure
- Four individual SMA-KY antenna interface, high signal sensitivity, little disturb
- Signal indicator
- LED: PWR1 and PWR2; One Status, One RUN and One Charge per line
- Four standard RJ11 ports, connect DTMF phones
- Console port connect S1804 meter
- Multi-charging: Serial port, S1804 meter and loop reverse meter
- Flexible tariff discount: charge fee, 3+1 time duration and multi-time duration
- Save 20000 entries call list when power off
- S1804 Meter max monitor 8 lines
- S1804 Meter supports latest 8 days, 4 months traffic statistic and one user multi calls statistic
- Parameter configure and maintenance: Serial port, remote SMS NMS
- Support lock terminal and Card, lock cell
- Supports protect PIN
- Auto add IP access number, supports 8 digits IP access number
- Auto add local area code, supports 8 digits length local area code
- Supports DTMF phone Caller ID
- Supports 512 local mobile number segment
- Supports 100 Barred number
- Accurate signal charge and bi-directional; voice detect charge
- Provides loop reverse signal to connect meter
- Concision out casing, support 19 inch frame and wall mounted simultaneity

Technical Index

CDMA:	CDMA2000 1X, backward compatible IS-95A
	Frequency range: 869MHz ~ 894MHz
	Sensitivity: -105dBm
	Transmitter frequency: 824MHz ~ 849MHz
	Frequency stability: $\pm 300\text{Hz}$
	Output power: max 0.2W; min 10nW (-50dBm)
GSM :	Frequency range: GSM900: uplink 880 ~ 915MHz
	Downlink 925 ~ 960MHz
	GSM1800: uplink 1710 ~ 1785MHz
	Downlink 1805 ~ 1880MHz
	Transmitter power: GSM900: 31 ~ 35dBm
	GSM1800: 28 ~ 32dBm
	Receiver sensitivity: no less than -102dBm
Data port:	support 153Kbps CDMA 1X
Ring freq.:	25Hz \pm 3Hz sine wave
Feed power:	on-hook 65v
Dial tone freq.:	450 \pm 20Hz

Technical Guarantee

- Telecom grade product design, industrial grade GSM/CDMA module and advanced MCU circuit, reliable quality
- Advanced VLSI and micro-processor, super performance, ensure stable running

Environmental

Dimensions	482mm×263mm×44mm
Unit Weight	3.5 Kg
Working Voltage	AC 220×(1 \pm 15%)V; DC 48V
Average Consumption	$\leq 60\text{W}$, peak $\leq 100\text{W}$
Operating Temp.	0°C~50°C
Operating Humidity	10%~90%