



# FWP HWCD399-176G with GSM/GPRS



	Basic	Featured	Advanced	PCO
<b>1. Basic functions</b>				
GSM, 850 or 900, 1800/1900MHz, with or without SIM card				
FR, HR , AMR, EFR supported for GSM				
network lock, cell lock, card and terminal interlock, and menu lock supported				
Clock and world time (automatic transfer)				
Alarm and AZAN				
<b>2. Calling</b>				
Speaker phone, with good quality and adjustable volume				
Call transfer, forwarding (unconditional, no answer, x second no pick-up) and call waiting supported				
Keypad lock, with 4 digits password, not effect Urgent call (as to be preset via menu)				
long distance (DDD or IDD) lock, menu lock and SPC lock with 4 digits different password				
Three parties conference call, call back when called party is busy				
One touch key for Emergency call, a group of calling number will be preset, terminal will dial each number sequently until it is connected, no keypad lock controled, if no hook off, then speaker phone will be activated automatically				
Specific phone number assignation, semi preminently set up even in time of power off, such as Voice Mail number or LDS number				
Call waiting supported, may support call swap between two calls				
<b>3. Dail and ring tones:</b>				

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with send key, dial phone number without press this key, menu set up may decide how long (2 -9 s) terminal will automatically dial the number out, defaultly 6 s				
one touch key set up, no pressing send required				
While hook off, dial tone continues 60s, when busy or no dialing in 60s, alarm tone will be heard in 10 meters				
No disturb mode (only LCD flashing)				
Multi ring tone available (10 normal+6 Polyphonic), volume adjustable				
<b>4. SMS</b>				
Single one touch key enters SMS menu, defaultly to InBox				
Whenever enter SMS reading status, up/down for SMS browsing, and left/right for previous/next message, in each message display, underlined top line (1 out of 4 lines) always show sender name (left) and number (right)				
Support draft saving, it means in SMS menu, there are InBox/Sending/Sent/draft, totally 4 categories, at least 100 normal SMS each				
pick up phone number from SMS, dial out or same into phonebook				
SMS transfer and reply				
Editing SMS will be kept while an incoming call received, when call finishes, the SMS can be continuously edited or sent				
<b>5. Call log</b>				
Missed/received/dialed phone number, at least 100 entries each, may be searched, redialed, erased or saved to phonebook				
while the listed number exists in phonebook, as in Nokia phone, name will be also displayed on left upper corner of LCD; can dial up while searching				
selected number can also be edited before dialing				
One touch key for last missed call calling back				
Eliminate all call log with confirmation				
<b>6. Display</b>				
English as default, at least 3 other languages supported ; T9 input				
Power on/off animation and music can be changed by end user via data connection to PC				
Even LCD/Keypad backlight, contrast and lightness adjustable				
Segments (for basic and PCO) or full dot matrix, 128*64, STN or COG, dark or bright backlight options, for dot matrix ones, number display should be large enough, 8 digits per line, when it is more than digits limit, 14 digits per line, and it will automatically turn to normal font				

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DATA/Time, alarm condition and alarm time, charging, battery condition (animation while charging in process), RSSI, new SMS and new voice mail indication icons (for featured or advanced mainly)				
<b>7. SPC management</b>				
User-friendly menu operational SPC interface, password protection, PC setup supported				
SPC parameters, phonebooks, call logs and SMS's can be retrieved from or reloaded to terminal via PC management system (data retrieving or restore)				
support multi terminal SPC data downloading (hardware required?)				
<b>8. Phonebook</b>				
Max. 50/200 records; may be created, search, edit and erase one record, each record includes mobile phone number, working number, home number, home address, email, MSN and/or QQ (for advanced model only, for instant messaging)				
Phonebook can be grouped as friend, VIP, family, colleges, and others, maybe retrieved by, edited or reloaded from PC				
Different ring tone for different group				
<b>9. Data service</b>				
support CSD and GPRS				
PC-FAX				
Data connection will be dropped if cable connection fails				
<b>10. PCO functions</b>				
Support polarity reverse, 12/16k Hz accounting pules according to tariff				
Tariff loading and accounting for each phone call, display dailed number, Zone code (for DDD and IDD), tariff and total fee, local display and on larger size LED panel				
Receipt printing through printer connected with PCO terminal				
O/p port, for additional booth display and for printer				
<b>11. Feed cable and antenna</b>				
Built-in omni antenna, RF sensitivity: <-106dBi				
External antenna SMA/TNC connectors, optional for 4-6 dBi antenna with 5meter RG58 cable				
<b>12. circumstance</b>				
Working temperature: -15~55°C while storage temperature: -40~70°C				
Working humedity: 0-95%				
Salty circumstance supported (optional)				

	Basic	Featured	Advanced	PCO
AC supply: normal: 170-280VAC, abnormal: 90-300VAC , 50/60Hz				
DC power supply: normal 12VDC, abnormal: 5-60VDC				
Switching power DC adaptor with surge protection ring in feeding cable, thounder and surge protection, charge current limitation protection inside adaptor				
3 AA rechargeble battery ( with battery management)				

Mandatory	Optional	Maybe considered	TBD

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