

Introducing
the world's first fully integrated
satellite/cellular smartphone.



GENUS™

SATELLITE/CELLULAR SMARTPHONE

The TerreStar™ GENUS™ is the world's first smartphone that combines 3G cellular wireless connectivity with an all-IP satellite network on one device using one phone number. Offering coverage throughout the United States and offshore coastal waters, this innovative new solution will redefine the mobile experience for a wide range of users including government agencies, emergency response personnel, energy and utility companies, rural communities, transportation providers, and outdoor enthusiasts.

By integrating AT&T's 3G voice and data network with TerreStar's next-generation satellite capability, the TerreStar GENUS smartphone provides always-on connectivity. Smaller, more affordable and more feature rich than previous satellite devices, the TerreStar GENUS represents the future of mobile communications. Complete with the premium features found on today's most popular smartphones, such as touchscreen, 3.0 megapixel camera, MicroSD slot, WiFi, Bluetooth, GPS, and full QWERTY keyboard, the GENUS is intended to serve as an everyday mobile phone, with satellite capability as a backup option when needed.

Terre Star™

TerreStar Satellite/Terrestrial Smartphone

Network frequencies supported

- ✓ Satellite & Terrestrial
2000-2010 MHz, 2190-2200 MHz
S-band
- ✓ Terrestrial
850/900/1800/1900 MHz

Protocols Supported

- ✓ Satellite
GMR-3G
- ✓ Terrestrial
GSM/EDGE
WCDMA, HSDPA

Display

- ✓ 2.6", Bright active matrix
320x240 (QVGA Landscape)
resolution TFT touch screen
display with 16M colors

User interface

- ✓ Windows Mobile 6.5 Professional
- ✓ QWERTY keyboard with 38
buttons, 5-way navigation key,
2 customizable application keys,
2 soft keys, Windows Mobile
Start Button, OK key, send, end/
power key on front
- ✓ Side keys for push-to-talk, volume
and mute
- ✓ Notification light for messaging
and missed calls
- ✓ Charging LED indicator
- ✓ Ambient light sensor
- ✓ Appealing touch screen for
stylus and finger use

Memory functions

- ✓ End user memory size: 100MB
- ✓ Hot swappable microSD card
support up to 16 GB

Physical interfaces

- ✓ Micro USB B-type (slave device)
- ✓ Stereo wired headset (2.5mm)
- ✓ Satellite RF external connector
- ✓ MicroSD slot
- ✓ SIM

Multimedia

- ✓ Windows Mobile Media Player
- ✓ Camera; 3.0-megapixel,
autofocus, Digital Zoom
- ✓ Camera snapshot format: JPG
- ✓ Camcorder format: H.263 simple
profile 0
- ✓ Image viewing formats: BMP,
JPEG, GIF, TIFF
- ✓ Video playback formats:
H.264, H.263, WMV
- ✓ Audio playback formats: MIDI,
MP3, (e) AAC(+), WAV, WMA,
AMR-NB, AMR-WB
- ✓ Digital voice recording:
AMR-NB, AMR-WB, PCM

Power Management

- ✓ Battery capacity: 1400 mAh
- ✓ Talk time[†]: up to 5 hours GSM,
up to 3 hours WCDMA, up to 1.3
hours Satellite
- ✓ Standby time[†]: up to 150 – 170
hours GSM and WCDMA and
34 – 40 hours Satellite

[†] Times may vary depending on network
and usage

Dimensions

(length x width x thickness max/min)

- ✓ 4.7 in x 2.5 in x 0.8/0.6 in
- ✓ 118.8 mm x 64.8 mm x
19.25/16.25 mm
- ✓ Weight 4.6 oz

Connectivity

- ✓ Bluetooth v2.0, Class 2
- ✓ WiFi 802.11b/g
- ✓ USB 2.0 Hi Speed supporting
data modem, firmware update,
mass storage, ActiveSync
- ✓ GPS

Service Applications

- ✓ CS and VoIP calling
- ✓ SMS
- ✓ Microsoft® Outlook Mobile for
Email & IM
- ✓ Microsoft® Internet Explorer
Mobile
- ✓ Microsoft® Office Mobile
(Word®, Excel®, PowerPoint®),
PDF reader
- ✓ PIM applications: Contacts,
Calendar, Tasks, Notepad
- ✓ Customizable Today Screen
with Quick Launcher

Multimedia performance

- ✓ Video playback: 30 fps with
QVGA resolution
- ✓ Video recording: 15 fps with
QVGA resolution

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