

ACeS System Benefits



The ACeS System gives you the quickest, flexible, simple and instant communication solution – even in the areas where providing “regular” telecommunications infrastructure is impossible!

- Secure communication using GSM encryption techniques
- One number, one bill for ACeS and GSM subscribers
- SIM card solution for Pre-paid and Post-paid service
- “Scratch and Call” voucher for Pre-paid card
- Roaming with GSM networks and vice versa
- Full regional coverage in ASIA
- Reaches all, mountain, ocean, forest, rural area or even in the city
- Competitive call charges
- Supplementary Services*:
 - Call Waiting
 - Call Holding
 - Call Forwarding
 - Call Transfer
 - Call Barring
 - Conference Call

* Network dependent features



ACeS R190 Original Accessories

Handsfree



Car Kit



Car Antenna



Fax & Data Modem



ACeS Service Provider:

www.acesinternational.com

It's About Mobility And Connectivity

Many people in Asia live in unnecessary isolation. Treacherous mountain, unforgiving swamps and marshes, and extremely dense vegetation prevents common means of terrestrial communication. The ACeS System provides a simple, quick and affordable do-it yourself solution.



The **ASIA Cellular Satellite (ACeS)** is a satellite telecommunications infrastructure provider which offers fully digital voice, data, fax services to and from handheld, mobile and fixed terminals throughout Asia. ACeS subscribers can communicate with anyone, worldwide from anywhere in the Asia region.

Covers Most of Asia

The Garuda 1 footprint extends from Guam and Papua New Guinea in the east, to Afghanistan in the west, and from Japan in the north to Indonesia in the south.



enhancing mobility & providing connectivity



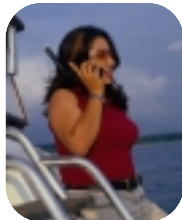
ACeS R190

The Smallest Satellite Mobile Phone

Lightweight & Convenient



The ACeS R190 has been designed specifically for the ACeS satellite system, the footprint of which covers most of Asia. The ACeS R190 is a dual band satellite/GSM 900 phone, the smallest and lightest in the world.



go places with ACeS

The Buyer

- A Business-driven need to extended coverage
- Entrepreneurs - business owners, consultants, professionals
- Requires wide coverage when travelling domestically and regionally on business
- Needs to stay in touch, professionally and socially
- Vertical Markets - based in regional areas, e.g. oil, forestry, armed forces, mining, transport, maritime and government.



Buying signals

- Wants greater coverage.
- Travels on business to areas without terrestrial coverage.
- Wants a phone with status.
- Wants a satellite phone that is lightweight and pocket sized.



Advantages of ACeS R190

Smaller and lighter than laptop and handheld satellite terminals.

Gives users greater mobility.

Automatic switching between satellite and GSM modes.

Designed specifically for the ACeS regional satellite system.



Technical Data

SPECIFICATIONS

- **Network:** ACeS Satellite Network and GSM 900 Network
- **Size:** 13x5x3.2 cm
- **Weight:** 210 grams as with Ultra Slim Battery
- **Color:** Blue
- **Talk Time:** Up to 2 hours 40 minutes (GSM 900/ACeS)
- **Standby Time:** Up to 47 hours (GSM 900) and Up to 42 hours (ACeS)
- **Antenna:** GSM and Satellite
- **Data/Fax:** 9600bps (GSM) and 2400bps (ACeS)
- **SIM card size:** ISO/Small Plug-in SIM Card
- **Voltage:** 4 Volts
- **Speech Quality:** FR (Full Rate) Digital Encoded Voice quality
- **Display:** 3 rows, English
- **Keypad:** 16+ volume side keys
- **Phone Book:** 99+SIM
- **Last Called Nos.:** 15
- **Received Calls Nos.:** 10
- **Missed Calls Nos.:** 10
- **Speed Dialing:** 1-9
- **Personalized Melody:** Yes

FEATURES

- Full Regional Coverage
- Dual Mode ACeS/GSM 900
- Seamless Roaming Capability in ACeS and GSM 900 networks
- Pocket Size
- New Icon-Driven Menu
- Smart Dialing
- Flexible Phone Book Features
- Full Range of Accessories
- Support Supplementary services (network operator dependent) such as:
 - Short Message (SMS) in GSM Mode
 - SMS, cell broadcast in GSM Mode
 - CLI (CLIP/CLIR) in GSM Mode
 - AoC/I (Advice of Charge/Information) in GSM Mode
 - AoC/C (Advice of Charge/Charging) in GSM Mode
 - Call Hold/Wait in ACeS and GSM Mode
 - Multiparty in ACeS and GSM Mode
 - Call Divert in ACeS and GSM Mode
 - Call Barring in ACeS and GSM Mode
 - Call Transfer in ACeS and GSM Mode
 - Fixed Dialing Number