

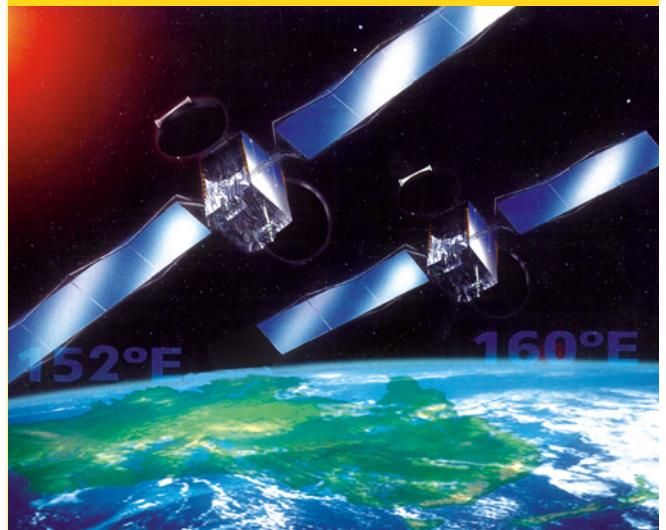
Optus MobileSat®

Digital voice, fax and data

Designed and developed in Australia by Australians, the Optus MobileSat service provides mobile phone coverage for voice, fax and data across the entire Australian continent and 200km out to sea.

- The Optus MobileSat service allows you to make and receive telephone calls from anywhere in Australia.
- Reliability and performance is key when you have a requirement for a satellite telephone. That's why the Australian Defence Force uses their own secure MobileSat system for their remote and marine communications.
- For greater portability and coverage where line of sight may not be available, cordless telephones simply plug into your Optus MobileSat terminal providing easy call access...no matter where you are.
- The Optus MobileSat phone is very simple to use with no complex codes or radio experience required. In order to call anyone, simply pick up the handset and dial.
- Authorised Optus MobileSat Dealers work with Optus to provide customers with product sales, service, installation, support and local knowledge.
- To understand how Optus MobileSat can help you and your business call into one of our reliable partners throughout Australia.

**...no matter where
you are in Australia.**



**Call the Optus MobileSat
helpdesk on 1800 500 269
for details of your
nearest Authorised Optus
MobileSat Dealer,
or send an email to
mobilesat@optus.com.au**

Coverage also includes parts of
East Timor, Papua New Guinea
and Solomon Islands.

Just say the word **'yes'**
OPTUS

Pricing Plans

Choose from one of the following flat rate plans that are flexible as well as simple to understand. With no incoming call costs, you just pay the charges plus a flagfall charge per call set out in the table below for the calls that you make.

Rate Plans and Call Charges for National, Local and Long Distance Calls

Standard [▲] Rate Plans	Connection Fee	Monthly Included Calls	Monthly Access Fee	Call Charges (per min)	Contract Term (months)	Temporary Suspension	Flagfall (per call)	New Terminal Purchase
Optus Busy Plan	\$110	\$50	\$80	\$1.00	0	yes	\$0.40	yes
Optus Work Plan	\$110	\$110	\$110	\$0.80	0	yes	\$0.40	yes
Optus National Plan	\$110	\$0	\$49.50	\$1.98	0	yes	\$0.40	no
Optus Aero Plan*	\$110	\$0	\$49.50	\$2.42	0	yes	\$0.40	no
Optus Active Plan[□]	\$55	\$20	\$55	\$1.00	24	no	\$0.40	no
Optus Budget Plan[‡]	\$0	\$0	\$35	\$1.20	24	no	\$0.40	no

*The Optus Aero Plan requires class 3 operation and Tenix Aero antenna. [▲]See individual package for each option. Prices include GST. Included calls expire at the end of each month. [□]Minimum total cost on the Optus Active Plan over 24 months is \$1,375. If connection is not maintained on the Optus Active Plan for 24 continuous months, a cancellation fee equal to the monthly access fee multiplied by the number of months remaining applies. [‡]Minimum total cost on the Optus Budget Plan over 24 months is \$840. If connection is not maintained on the Optus Budget Plan for 24 continuous months, a cancellation fee equal to the monthly access fee multiplied by the number of months remaining applies.

■ Standard Rate Plans

Optus Busy Plan

When you buy a new Optus MobileSat telephone system you can take advantage of our special low-rate call charges. If you're busy on the phone and demand flexibility and reliability then the Optus Busy Plan is for you.

Optus Work Plan

When you buy a new Optus MobileSat telephone system and you want the lowest call rates available then the Optus Work Plan is for you. The low call charges allows you to stay in touch and talk as long as you like.

Optus Aero Plan

If you want to stay in touch over land and sea, the Optus Aeronautical System is for you. When you purchase your Optus Aeronautical Telephone System your best choice is the Optus Aero Plan allowing you to make normal telephone calls whilst in the air.

Optus National Plan

This plan gives you the flexibility you need when you're on the move. Available with all products (except the aero antenna). The Optus National Plan allows you to connect second hand and new terminals.

Optus Active Plan

Available for new and existing customers, the Optus Active Plan offers low call rates for customers who stay connected all year round. If you are an existing customer and want lower call rates, then the Optus Active Plan is for you.

Optus Budget Plan

This plan offers a low monthly access fee with the advantage of no connection fees. The Optus Budget Plan allows you to connect second hand and new terminals while enjoying low call charges.

Managed Rate Plans... everything you need

■ Managed Rate Plans

Managed Rate Plans combines your service and telephone together to make it easy for you to manage your costs. When you agree to connect for 24 months and pay a monthly access fee each month, your upfront purchase cost is reduced.

Included in the Managed Rate Plan:

- A New Optus MobileSat S2 Satellite Telephone and a one off equipment cost of \$3,289 and 12 month transceiver warranty period.
- On the Optus S2 Plan choose from a Plannar or Mast antenna, and on the Optus S2 Dome Plan choose from a Land Dome or Marine Dome Antenna.
- Monthly Access Fee.
- Insurance covering the replacement cost of the telephone (up to \$7000** inclusive of freight charges) and for the cost of any unauthorised calls up to \$550** made up to 12 hours prior to you notifying Optus.
- Up to \$55 of free calls[†] per month.

Optus S2 Plan

Optus S2 Plan is for those who want to reduce costs by maintaining a low monthly operating cost and still take advantage of our low airtime rates.

Optus S2 Dome Plan

Gives you additional product performance of the Dome Antenna with low airtime rates and low monthly operating costs.

Rate Plans and Call Charges for National, Local and Long Distance Calls

Optus Managed Rate Plans [▲]	Connection Fee	Monthly Access Fee	Monthly Included Calls	Call Charges (per minute)	Flagfall (per call)	Equipment Cost	Term (months)
Optus S2 Plan [#]	\$110	\$176	\$55	\$1.00	\$0.40	\$3,289	24
Optus S2 Dome Plan [^]	\$110	\$198	\$55	\$1.00	\$0.40	\$3,289	24

**Liability amounts are GST inclusive. If you are registered for GST, any cash settlement amount may be adjusted by the extent to which you are entitled to claim a full or partial Input Tax Credit on your SafeGuard Remote Insurance Premium. [†]Free calls expire at the end of each month. Free calls include call charges plus a flagfall per call. [▲]See individual package for each option. Prices quoted include GST. [#]Minimum total cost on the Optus S2 Plan over 24 months is \$7,623. If connection is not maintained on the Optus S2 Plan for 24 continuous months, a cancellation fee equal to the monthly access fee multiplied by the number of months remaining applies. [^]Minimum total cost on the Optus S2 Dome Plan over 24 months is \$8,151. If connection is not maintained on the Optus S2 Dome Plan for 24 continuous months, a cancellation fee equal to the monthly access fee multiplied by the number of months remaining applies.

Receive up to \$1,500 off the purchase of your new Optus MobileSat phone!

Did you know that you can now purchase a new Optus MobileSat phone and receive up to \$1,500 off the purchase price. Available to approved applicants who live, work or operate a business in an area not served by the terrestrial GSM or CDMA mobile networks, the Scheme is available to residents of all states and territories (excluding Western Australia). The West Australian Government operates a similar subsidy scheme for Western Australian residents.

Take up the offer and enjoy low call rates with a reliable and robust MobileSat Phone.

Before buying an Optus MobileSat phone, check your eligibility for the subsidy by calling our MobileSat Helpdesk on **1800 500 269** for participating authorised Optus MobileSat dealers.

Details and other charges you should be aware of

- Monthly Access Fees are payable in advance.
- All calls are charged in 30 second increments.
- Optus MobileSat telephones and equipment may vary according to availability.
- Diverted calls for national and mobile calls will be charged at the normal rate for the relevant Plan. Diversion to another Optus MobileSat telephone incurs no additional fees .
- All call rates shown are per minute.

Optus MobileSat Calls to International Calls Charged at normal Optus rates, or public network rates, plus an airtime surcharge charged in 30 second increments, regardless of Rate Plan.	\$1.98^A per minute
Fixed Line to Optus MobileSat Telephone Calls For Business Network Service (BNS) customers directly connected to the Optus network, call charges from a fixed telephone to an Optus MobileSat telephone.	Connection fee of \$0.15 per call plus: \$1.98 per minute
Optus MobileSat to Optus MobileSat Calls For Optus MobileSat customers on the Optus Busy, Work, Budget, Active, S2and S2 Dome Plan, call charges from an Optus MobileSat telephone to an Optus MobileSat telephone (on any plan).	\$1.00^A per minute
Calls to a Mobile Telephone from an Optus MobileSat Telephone Optus MobileSat calls to a mobile telephone (digital or CDMA) within Australia.	\$2.42^A per minute

Prices shown include GST. ^AA flagfall of \$0.40 per call applies.

Marlec Pty Ltd

ABN: 23 065 295 605

Unit 2/41 Herbert Street

ARTARMON NSW 2064

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E: sales@marlec.com.au

www.marlec.com.au

Optus MobileSat S2 Mobile Satellite Telephone

■ Optus MobileSat S2 Mobile Satellite Telephone

Optus' second generation Mobile Satellite Telephone the Optus MobileSat S2 was designed and built specifically for the Optus MobileSat service.

The Optus MobileSat S2 is so reliable that the Australian Defence Force uses it on the Defence Mobile Communications Network (DMCN).

Whether you're out at sea, driving through the country, or at a remote site, the Optus MobileSat S2 has an antenna to best suit your needs. Available today, the Optus MobileSat S2 comes with either a mast, dome, fixed site or aero antenna individually designed to suit your needs.

■ Optus MobileSat S2 Features

Fax/modem - An inbuilt modem allows a fax machine to be connected. (V21.V22,V22bis, V27, V27ter).

2 Wire port - An inbuilt 2 or 4-wire circuit allows connection of a cordless telephone increasing your mobility when you're away from the vehicle or site location. Answering machines and fax machines can also be connected. (V21.V22, V22bis, V27, V27ter).

Serial port - An inbuilt modem allows direct RS232 (V.24) connection of the serial port.

Phone number memories - 189 alphanumeric memories and up to 20 preset Emergency numbers (99 normal memories, 79 lockable memories and 13 Emergency numbers). Only 13 Emergency numbers are preset. The alphanumeric memory allows for 10 characters alongside each telephone number stored and you can scroll alphanumerically or numerically.

Hands free operation and answering - If you're driving, you can safely talk with both hands on the wheel.

Other features include - Programmable function keys, call-in-absence indicator, any key answer, automatic lock, clock display, low battery alarm, signal strength indicator, illuminated handset, horn alert for incoming calls, pre-stored messages, call timers, DTMF signalling and internal or external GPS.



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Optus MobileSat S2 Mobile Satellite Telephone

■ Optus MobileSat S2 Product Specifications

Power Supply:	10.5-32 Volts DC
Current Drain:	Standby Mode Typically 0.5 Amp @ 12V, Transmit Mode Typically 2.3 Amp @ 12V
Temperature Range:	-10 to 50 degrees Celsius
RF Output Power:	2.5W nominal (Class 1) 1W nominal (Class 2) 5W nominal (Class3)
Data:	Hayes command set compatible
GPS Communications:	NMEA0183 compatible
Telephone Ring:	3 ren, maximum
Weight:	4.5kg (transceiver and cradle)
Dimensions:	Length: 301mm, Width: 241mm Height: 61mm (Transceiver with mounting Cradle) Handset: Length: 210mm, Width: 54mm Height: 37mm
Handset Display:	Large 30 character dot matrix alphanumeric LCD display

For further information please call
your local Optus MobileSat dealer
or call **1800 500 269.**

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Technical Specifications

The Optus MobileSat service utilises the Optus second-generation B series satellites to provide clear, digital mobile communications to remote and rural areas. Optus MobileSat operates within the L Band frequency spectrum between 1.5 and 1.6 GHz. Operating on line of sight from the antenna to the satellite, Optus MobileSat provides total coverage over Australia and up to 200km out to sea. Buildings or geographical conditions can interfere with reception and transmission.

On making a call from an Optus MobileSat telephone the L Band digital signal is sent directly to the satellite and then converted to KU band from the satellite to the Optus operated Earth Station in Sydney or Perth. From the Optus Earth Station the call is connected to the terrestrial public switched telephone network (PSTN).

Optus MobileSat can send and receive telephone calls to and from destinations like mobile phones, international numbers, other satellite phones, local, national and long distance numbers. Dial the area code and call just like a standard telephone.

Your Optus MobileSat telephone has been pre-programmed with three telephone numbers for voice, fax and data calls. All Optus MobileSat telephone numbers have the prefix 0145 XXX XXX (X represents your remaining digits).

■ **Voice** 0145 1XX XXX

■ **Fax** 0145 2XX XXX

■ **Data** 0145 3XX XXX

Voice

Circuit switched, full duplex, high quality digital voice communication between a fixed phone, a cellular telephone and an Optus MobileSat telephone is provided by the Optus MobileSat service. Optus MobileSat's digital transmission utilises an error correction mechanism to ensure channel integrity.

Fax

Optus MobileSat provides an end to end fax service for a group three fax and will operate at 2400bps. Channels are protected by an error correction mechanism to ensure error free transmission.

Data

The Optus MobileSat service provides customers with 2400bps asynchronous data transmission. Channels are protected by an error correction mechanism to ensure error free transmission.

Emergency numbers

13 emergency numbers will be stored in the Optus MobileSat telephone. The numbers will include 000 emergency and Royal Flying Doctor Service numbers. The Optus MobileSat telephone can always access these numbers even when the phone is locked or barred from outbound calls.

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Further Information

Optus MobileSat is part of a range of integrated communications solutions provided by Optus to help your business grow.

For further information contact the Optus MobileSat Helpdesk on:

1800 500 269

or visit our website at:

optusbusiness.com.au

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OPTUS
MobileSat

Just say the word **'yes'**
OPTUS