

IP NEO Handset

Enhanced VoIP and Push-To-Talk functionalities

Product Sheet

**COBHAM
SATCOM**
Connecting the future



Yahsat IP Handset connected to the Mobile Gateway C NEO

IP Handset with enhanced capabilities

The Space42 IP Handset is a rugged Voice-over-IP handset and the latest addition to the Thuraya PTT offering. The handset adds IP telephony services and PTT functionality to the range of NEO Thuraya satellite terminals and Mobile Gateways.

The IP Handset supports the Thuraya PTT solution. Full functionality supporting satellite/LTE/LAN backhaul and Maritime / Land Mobile Radio integration requires a Mobile Gateway C or Mobile Gateway M NEO.

The IP Handset is powered directly from a LAN interface using Power over Ethernet (PoE), which eliminates the need for an external power supply.

Three modes of operation

The Space42 IP Handset can operate in different modes:

1. Voice-over-IP handset only

The handset registers with SIP/RTP to the SIP server in the Thuraya network that enables a voice connection over Thuraya L-band network.

2. PTT handset only

The IP handset is connected to the Mobile Gateway NEO and registers with SIP/RTP to the Thuraya PTT service. In this mode the handset acts like the current Control Speaker Microphone.

3. Voice-over-IP and PTT handset

A combination of the two above

Features

- Voice communication (PSTN) over IP based networks.
- Powered by Power over Ethernet (PoE).
- Round RJ-45 screw connector on coiled cord.
- PTT button on the side.
- IP68 rated.
- MIL-STD-810 and MIL-STD-461 certified.
- Connects directly to Mobile Gateway C/M NEO, supplying PoE power to the handset.
- Management of PTT service in the PRISM Portal.
- Languages supported: Arabic, Chinese, English, French, German, Japanese, Portuguese, Russian and Spanish.

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- Superior **voice clarity** with advanced VoIP audio technology, ensuring every conversation is clear, reducing misunderstandings and improving communication efficiency.
- Stable and **uninterrupted communication** with direct Ethernet connectivity, ensuring consistent voice quality and minimizing the risk of dropped calls.
- Durable **coiled cable** with watertight screw connector offers flexibility and convenience, preventing tangles while allowing the handset to stretch to a comfortable reach.
- Easy **integration** with Thuraya PTT and Space42 NEO terminals. Plug-and-play with minimal configuration.

Specifications

Dimensions (LxWxD):	178.5 x 70 x 30 mm
Weight:	250 g (without cable)
Certifications:	CE, FCC, IC, RCM, Anatel

Power

PoE:	PoE PD (802.a) Type 1 (mode A & B)
Power Consumption:	Max. 7 Watt

Environmental conditions

Temperature:	
Operational:	-25° to +55°
Storage:	-40° to +80°
Humidity:	Up to 95% (w/o condensation)
Air Pressure (transport):	At low pressure 18.8 kPa (12.192 m = 40.000 ft)
IP Rating:	IP66 and IP68 (IEC60529)
MIL-STD-810H:	Method 503.7 (Temp. shock) Method 507.6 (Humidity) Method 512.6 (Immersion) Method 524.1 (Freeze/Thaw) Method 505.7 (Solar Radiation)

Protocols

Network Protocol:	Internet Protocol (IP)
VoIP Protocol:	SIP v2 Session Initiation Protocol (RFC3261), SDP
Voice Codecs:	G711 and G729

Interfaces

LAN Interface:	10/100 Mbps
Physical Interface:	RJ-45 male connector on coiled cable (3 m)

Keypad and buttons

Keypad:	Numeric keypad for dialing
5 Control Keys:	Left / right select, Off Hook, On Hook / Power, Select
Navigational Arrows:	Right, Left, Up (Volume +), Down (Volume -)
Distress Button:	Configurable on the back
Side Buttons:	Stealth, Lock, PTT

Product number

408012A-41000	Space42 IP Handset
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Related products

408020A-42000	IP NEO C Terminal
408022A-42000	IP NEO M Terminal
408050A-42000	Mobile Gateway C NEO
408052A-42000	Mobile Gateway M NEO



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