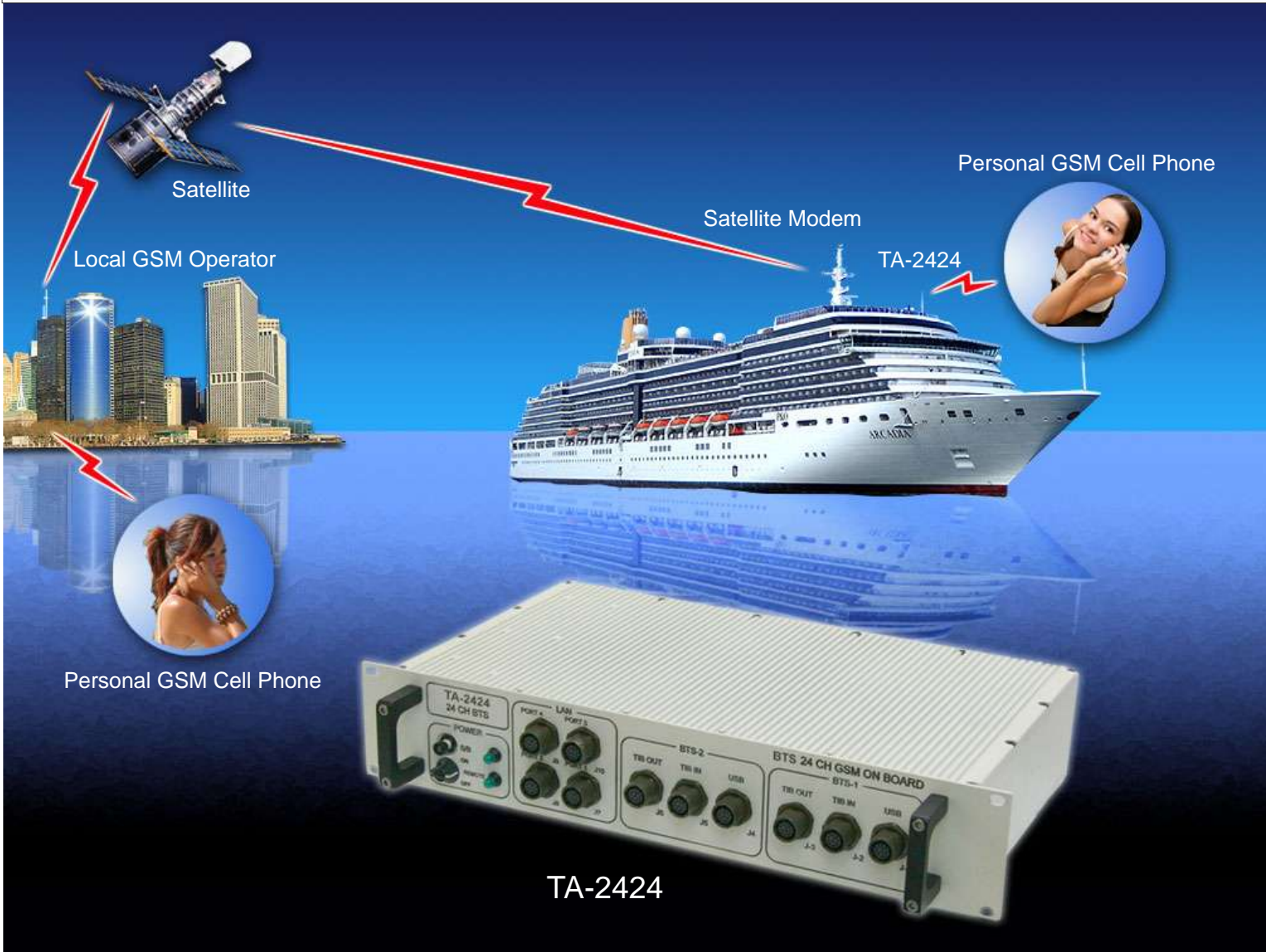


# TA-2424 Seaborne GSM Picocell

# TA-2424



## System Description

The TA-2424 Seaborne GSM System, is an Seaborne GSM Picocell with 24 channels that provides 24 GSM Voice Calls simultaneously, plus SMS and MMS services as well. The system also provides On Board Internet communication.

The TA-2424 connected by an A-BIS IP Protocol to the On Board L-C KU-Band Satellite antenna, and via satellite The TA-2424 carries out communication to the BSC Ground System that connects via SS#7 trunks to the Switch of the local service provider.

## Product Features

The TA-2424 has a built-in MCA switch which prevents unauthorized cell phone operation. The MCA automatic system shuts down when the ship and the system is built with a double safety feature

The TA-2424 has remote power control. The Nano BTS base station cellular 1800 MHz installed in the ship provides 24 active voice calls and SMS. IP interface to satellite system provider air to ground Network control is included for power reduction to 1 mW Total power consumption per one phone call is 224 mW. The TA-2424 Seaborne GSM system has been developed under full compliance with the newest international regulations and has been awarded with all necessary certifications.

The system is compliant with the new ETSI type approval.

## Technical Characteristics

The TA-2424 Seaborne GSM system operates under the most extreme temperature and climate conditions. It is fully resistant to water, humidity, immersion, temperature extremes, explosion, vibration and bounce.

It is housed in an aluminum 10,11 impact-proof and waterproof case.

Connections: The TA-2424 meets all military specifications D38999

4 Ports 10/100/1000 to BTS

2 Port Picocell antenna 2RX and 2TX

1 MCA Board

Operating voltage is 18-32 volts.

DC Current is approximately 0.5 amp.

Voltage spike: 60,000V 10 us 50 pulses.

The TA-2424 Seaborne GSM system is compliant with MIL-STD-810E and MIL-STD- 416C-RTCA-160/202

## Physical and Environmental

Size: L 19", H 1.5U

Temperature Operating Range: -5°C to +55°C

Storage: -40°C to +80°C

Weight: 7 kg

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10 Hamelacha St., block 209, New Industrial Park Rosh-Ha'ayin 48091 Israel  
TEL: 972-3-9025682 FAX: 972-3-9025684 E-mail: peryphon@zahav.net.il

**PERYPHON LTD**  
[http:// www.peryphon.co.il](http://www.peryphon.co.il)