

Ninehundred  
Communications  
**Group**

# 900PTT IP501M



**0845 600 4 900**  
[www.ninehundred.co.uk](http://www.ninehundred.co.uk)



# 900PTT IP501M



**Our 900PTT IP501M allows for communication using LTE/4G and 3G networks which provides stable communication across the UK. Featuring a simple, easy to use display as well as a fist microphone.**

Our IP501M uses the same Push To Talk technology is that featured in the IP501H, making the two interoperable with one another; allowing users and companies to have a mixture of both handhelds and mobiles depending on their requirements (in vehicle or handheld).

Just like the IP501H, the IP501M allows for full-duplex communication for users, allowing to talk and receive messages at the same time, during individual and group calls.

## KEY FEATURES:

**Nationwide coverage over LTE/4G and 3G Networks** (Service availability varies by country. Network coverage provided by a custom Icom sim card)

**Interoperable with the handheld IP501H PTT Mobile**

**Full-Duplex communication provides multiple users simultaneous conversations**

**Priority interrupt calling can break into an on-going call for an important message**

**Text Message function allows you to send and receive messages of up to 32 characters**

**Safety features with Emergency call and Lone Worker functions**

**An Ethernet port for data communication\***

\* The optional VE-PG4 is required

**D-SUB 25-pin connector with the optional OPC-2407 cable for interfacing other devices, various controls and data communication**

**ACC connector for Ignition Sensing function**

**Noise Canceling function (TX only) for clear audio in noisy environments**

**Built-in Bluetooth® and GPS**

**Optional COMMANDMIC™ provides a handheld-like user interface**



# 900PTT IP501M

## GENERAL

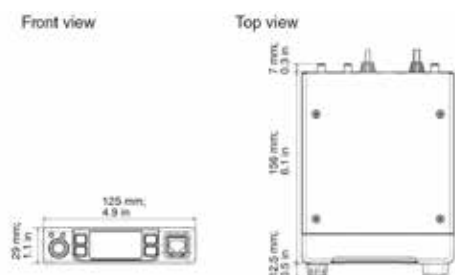
<b>Power Supply</b>	13.8 V DC $\pm 10\%$ or 26.4 V DC $\pm 10\%$
<b>TX - Current drain (Maximum)</b>	TX Less than 0.6 A (13.8 V DC) Less than 0.4 A (26.4 V DC)
<b>RX - Current drain (Maximum)</b>	Less than 1.2 A (13.8 V DC) Less than 0.8 A (26.4 V DC)
<b>Operating temperature range</b>	-10°C to +60°C; 14°F to +140°F
<b>Dimensions (W × H × D) (Projections not included)</b>	125 × 29 × 156 mm; 4.9 × 1.1 × 6.1 in (Approximate)
<b>Weight</b>	840 g; 1.9 lb (Main unit, approximate)
<b>Voice codec</b>	G . 726
<b>Audio output power</b>	More than 4 W (External SP, at 10% distortion into a 4 $\Omega$ load)
<b>External microphone impedance</b>	600 $\Omega$

## INTERFACE

<b>4G Bands</b>	LTE B2, B4, B12 (USA) LTE B1, B3, B7, B8, B20 (EXP) LTE B1, B3, B5, B7, B8, B28 (AUS)
<b>3G Bands</b>	W-CDMA B2, B5 (USA) W-CDMA B1, B8 (EXP) W-CDMA B1, B5 (AUS)
<b>Bluetooth</b>	Version 2.1 +EDR
<b>LAN</b>	RJ-45 type x 1 (Auto MDI/ MDI-X) 10BASE-T/100BASE- TX
<b>External speaker jack</b>	3.5 mm (1/8 in) (d), 4 $\Omega$
<b>External equipment connector</b>	D-SUB 25-pin type (The optional OPC-2407 is required)

All stated specifications are subject to change without notice or obligation.

## INTERFACE



STANDARD	MIL 810G	
	METHOD	PROCEDURE
<b>Low Pressure</b>	500.5	I, II
<b>High Temperature</b>	501.5	I, II
<b>Low Temperature</b>	502.5	I, II
<b>Temperature Shock</b>	503.5	I-C
<b>Solar Radiation</b>	505.5	I
<b>Rain Blowing/ Drip</b>	506.5	I, III
<b>Humidity</b>	507.5	II
<b>Dust Blowing</b>	510.5	I
<b>Vibration</b>	514.6	I
<b>Shock</b>	516.6	I

Also meets equivalent MIL-STD-810-C, -D, -E and -F.

## MICROPHONES



**HM-241**  
Speaker microphone  
with emergency button  
(IP54)  
Same as supplied

**COMMANDMIC™**  
HM-230HB  
with 10-keypad and  
display (IP55)

**SM-28**  
Desktop microphone

## EXTENSION CABLE

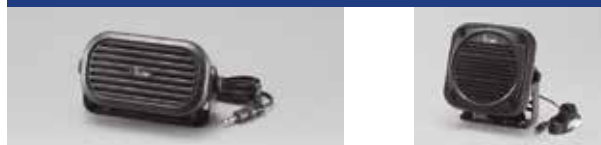
## BLUETOOTH HEADSET



**OPC-2355**  
2.5 m; 8.2 ft

**VS-3**

## EXTERNAL SPEAKERS



**SP-35**  
5 W, 4  $\Omega$  (2 m; 6.5 ft)

**SP-30**  
20 W, 4  $\Omega$  (2.6 m; 8.5 ft)