



# TS-2000 Series

Spartan Two-Way Business Radio

TS-2116 2W VHF (136-174 MHz)

TS-2416 2W UHF (400-470 MHz)



*The **SPARTAN TS-2000** Series are durable, lightweight, and easy to use. Delivers clear, reliable communications for hotels, restaurants, retail stores, shopping centers, property management and other industrial, commercial needs.*

*Preprogrammed to operate with other Jobsite Business Radios or fully programmable to existing simplex channels, repeater systems or independent FCC licensed frequencies.*



- 16 Channels
- Optional Voice Annunciation
- 2 Watt Power Output
- 12.5/25 kHz Channel Spacing
- CTCSS/DCS
- 700 mw Audio Output
- Time-Out Timer (TOT)
- Power Save Mode
- VOX
- One Year Warranty





# TS-2000 Series

## Spartan Two-Way Business Radio

NOTE: Some features indicated by specifications listed are prohibited by FCC rule and are not available on models sold in the U.S. or its territories.

### Specifications

#### General

|                            |                                      |
|----------------------------|--------------------------------------|
| TS-2116                    | 136-174 MHz                          |
| TS-2416                    | 400-470 MHz                          |
| Operating Voltage          | 3.8V DC                              |
| Operating Temperature      | -13° to 131° F (-25° to 55° C)       |
| Frequency Stability        | ± 2.5 PPM                            |
| Dimensions (H/W/D)         | 4.1 x 2.1 x 1.1 (105 x 54 x 30 mm)   |
| Channel Spacing            | 12.5 kHz per channel                 |
| PLL Stepping               | 2.5/6.25 kHz                         |
| Weight with Li-Ion Battery | 5.9 oz. (170 g.) w/battery           |
| Battery Life (hours)       | 14 hr*                               |
| Battery Drain mAh          | Tx 1200, Rx 300, Stby 60             |
| Battery Capacity           | 2000 mAh Li-Ion                      |
| Charge Time Estimate       | 2-3 hours                            |
|                            | *90/5/5 duty cycle with battery save |

#### Approvals

TS-2116  
TS-2416

#### FCC

P6N-TH288V  
P6N-TH288U

#### Industry Canada

Pending  
Pending

RoHS  
2002/95/EC



Manufactured to ISO-9002:2000 quality standard.

#### Transmitter

|                        |                                  |
|------------------------|----------------------------------|
| Output Power           | 2 Watt, UHF/VHF                  |
| Spurious and Harmonic  | -36dB (1 GHz), -30dB (1 GHz)     |
| FM Hum and Noise       | -40dB (12.5 kHz), -45dB (25 kHz) |
| Audio Distortion       | <5%                              |
| Adjacent Channel Power | -70dB, -60dB                     |

#### Receiver

|                              |                     |
|------------------------------|---------------------|
| Sensitivity                  | .18uV / .20uV       |
| Selectivity                  | 65dB / 55dB         |
| FM Hum and Noise             | 40dB                |
| Audio Output Power           | 700 mW              |
| Audio Distortion             | <5% at rated output |
| Intermodulation Reject Ratio | 55dB                |

### Standard Package

Radio, 2000 mAh Li-Ion battery, rapid rate desktop charger, antenna, belt clip and user manual.

### Accessories

- Standard Speaker Microphone
- Heavy Duty Speaker Microphone
- Earhook Speaker with Lapel Mic
- Discreet Earbud with Lapel Mic
- Nylon Carrying Case
- Leather Carrying Case with Belt Loop Swivel
- Single Slot Vehicular Charger
- Six Unit Gang Charger
- Programming Software and Cable (USB)

### Contact Information



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Specifications are subject to change.