

NA GSM Dual-Band RadioBlade



FCC Compliance

Certified to 47 CFR Part 90. Licensed operation required. Radio Frequency exposure approved for fixed installations only. Unit should be installed to provide at least 20 cm from all persons to satisfy Radio Frequency Radiation Exposure requirements of FCC 2.1091.



Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Specifications

Operating Environment

- Operating Ambient Temperature: +0°C to +40°C (+32°F to +104°F)
- Storage Temperature: -40°C to +70°C (-40°F to +158°F)
- Relative Humidity: 10-90% non condensing
- Altitude: -200 to +8000 feet above mean sea level; above 8000', reduce maximum operating ambient temperature by 2°C per 1000' to a maximum of 13000'
- Shock: 40 g's
- Vibration: Level 3 earthquake
- Keep product free from dust, wind, salt, liquids

Agency Compliance

FCC Part 90 UL/cUL 60950
IC-RSS 119 CE Mark
ISTA 2A transit

Physical Specifications

- Dimensions: 3" wide x 4" high (plus antenna) x 0.5" thick (approx.)
- Weight: 1 lb (approx.)

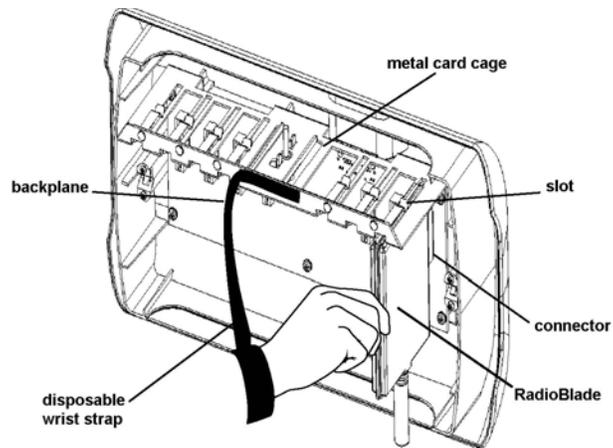
Input Power

- 3.3 VDC, 720mA max
- 2.5 VDC, 50mA max

Tx and Rx Power and Center Frequency Ranges

- Tx power range: -30 to +10dBm +/-3dB
- Tx power range low band (GSM 800): +12.2 to -13.8
- Tx power high band (PCS 1900): +15.7 to -10.3
- Low Band (GSM 800) center frequency range:
Tx: 869 to 894 MHz
Rx: 824 to 849 MHz
- High Band (PCS1900) center frequency range:
Tx: 1930 to 1990 MHz
Rx: 1850 to 1910 MHz

Installation Instructions and Guidelines



RadioFrame Unit

1. Find these items in the shipping box: NA GSM Dual Band RadioBlades in individually wrapped antistatic bags, and one disposable antistatic wrist strap.
2. Unwrap 30 cm (12") of the disposable antistatic wrist strap and wrap the adhesive side around your wrist.
3. Unroll the rest of the band and remove the liner from the copper tape.
4. Attach the copper tape to the metal card cage inside the RadioFrame Unit (RFU).
5. Insert the NA GSM Dual Band RadioBlades into the specified slots in the RFU as shown in the diagram above. For safe operation:
 - Do not mount the unit in any orientation other than that specified in the diagram.
 - Do not force the RadioBlade, or damage to equipment can occur.
 - Slide the top of the RadioBlade into the metal slot on top of the RFU until the RadioBlade connector seats firmly into the backplane.
6. Remove the antistatic wrist strap and dispose of it,
7. Place the front cover on the RFU.

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