



global solutions : local support...

Wireless Device Antennas



Laird Technologies is the world-leader in the design and supply of customized performance-critical products for wireless and other advanced electronic applications.

Laird Technologies partners with its customers to help find solutions for applications in various industries such as:

Aerospace

Automotive Electronics

Computers

Consumer Electronics

Data Communications

Medical Equipment

Military

Network Equipment

Telecommunications

Laird Technologies offers its customers unique product solutions, dedication to research and development and a seamless network of manufacturing and customer support facilities located all across the globe.

global solutions : local support...

Wireless device antennas provide high performance and flexibility to internal and external applications

Laird Technologies will design, develop and manufacture the optimal antenna to meet customer specifications, on schedule, without compromise. This large selection of antennas are utilized in all types of wireless devices, from industrial portable terminals to consumer grade WLAN access points. With integrated research, design, tooling, molding, assembly and accelerated life testing facilities around the world, Laird Technologies engineers will quickly and efficiently create solutions to a multitude of wireless challenges.

| Model # | Reference # | Antenna Description | Gain | Size (L x W x H) | Cable | Connectors |
|--------------|-------------|--|---------|------------------|---------------------|--------------------------|
| BlackChip | | | | | | |
| WIC2452-A | MAF95029 | Tri-Band BlackChip w/ lead free solder (Tape+Reel, 2K/Reel) | 4 dBi | 8 x 6 x 2.5 mm | N/A | N/A |
| WIC2452-A-SM | MAF95032 | Tri-Band BlackChip on Evaluation Board | 4 dBi | 8 x 6 x 2.5 mm | N/A | SMA-female edge-mount |
| D-Puck | | | | | | |
| WID2452 | MAF94192 | Tri-Band D-Puck Internal SMT PIFA (Tape+Reel, 400/Reel, 8 Reels/Carton) | 3 dBi | 16 x 66 x 6 mm | N/A | N/A |
| WID2452-SM | CAF94377 | Tri-Band D-Puck Internal SMT PIFA on Evaluation Board | 3 dBi | 16 x 66 x 6 mm | N/A | SMA-female Panel |
| Revie | | | | | | |
| AAF95003 | | 900/1800/1900 MHz Internal Multi-band | 1.0 dBi | 80 x 30 x 1.5 mm | 12" Brown RG-178 | MMCX |
| AAF95004 | | 900/1800/1900 MHz Internal Multi-band | 1.0 dBi | 80 x 30 x 1.5 mm | Call | Murata GSC |
| Revie Pro | | | | | | |
| AAF95035 | | 868/900/1800/1900 MHz Internal Multi-band | 1.0 dBi | 80 x 30 x 1.5 mm | 12" Brown RG-178 | MMCX |
| AAF95013 | | 868/900/1800/1900 MHz Internal Multi-band | 1.0 dBi | 80 x 30 x 1.5 mm | 2.625" Brown RG-178 | MMCX |
| AAF95004 | | 868/900/1800/1900 MHz Internal Multi-band | 1.0 dBi | 80 x 30 x 1.5 mm | 10" Brown RG-178 | |
| MAF95017 | | 868/900/1800/1900 MHz Internal Multi-band | 1.0 dBi | 80 x 30 x 1.5 mm | 8" 1.13 dia coax | MHF |
| MAF95021 | | 868/900/1800/1900 MHz Internal Multi-band | 1.0 dBi | 80 x 30 x 1.5 mm | 32" RG-174 coax | RP-SMA |
| MAF95022 | | 868/900/1800/1900 MHz Internal Multi-band | 1.0 dBi | 80 x 30 x 1.5 mm | 4" Brown RG-178 | MMS RA Plug |
| MAF95050 | | 868/900/1800/1900 MHz Internal Multi-band | 1.0 dBi | 80 x 30 x 1.5 mm | 1.85" Brown RG-178 | MMCX |
| MAF95004 | | 868/900/1800/1900 MHz Internal Multi-band | 1.0 dBi | 80 x 30 x 1.5 mm | 10" Brown RG-178 | SSMB |



BlackChip™

- For Bluetooth & IEEE 802.11 devices
- Wide bandwidth, ultrawide band capable
- Tape & reel packaging

Tri-band Dpuck

- For Bluetooth & IEEE 802.11 devices
- Tape & reel packaging for high volume pickand-place manufacturing processes

Revie

- Compliments GSM module offerings
- Designed for hand-held data devices or access points



More Info: 800.323.3757 www.lairdtech.com



NanoBlade

- For Bluetooth & IEEE 802.11 devices
- Covers 2.4 to 2.5 GHz for 802.11b, and 4.9 to 6 GHz for 802.11a, and all US, European, and Japanese WLAN applications

NanoBlue

- For Bluetooth & IEEE 802.11 devices
- Designed for easy connection to radio cards
- Patented PCB MicroSphere technology
- Ground plane incorporated into the resonator structure



NanoAnt

- · Low cost, small size
- Bluetooth, 802.11, 2.4 - 2.5 GHz,3.4 - 3.8 GHz, and 5.725 - 5.85 GHz frequency range
- Available on tape and reel



NEW

GPS Receiver Module

- 20 channel GPS receiver
- 200,000 effective correlators for fast TTFF
- Built-in WAAS/EGNOS Demodulator
- Support NMEA-0183 v2.2 data protocol and SiRF binary code

63745

| Model # | Reference # | Antenna Description | Gain | Size (L x W x H) | Cable | Connectors |
|----------|-------------|--|-----------|------------------|-------------------------|----------------|
| NanoBlad | de | | | | | |
| MMCX4 | CAF94504 | Tri-Band 2.4/4.9-6 GHz Internal Embedded Antenna | 2.8-4 dBi | 2" x 0.65" | 100mm, RG-178 | R.A. MMCX Plug |
| IP04 | CAF94505 | Tri-Band 2.4/4.9-6 GHz Internal Embedded Antenna | 2.8-4 dBi | 2" x 0.65" | 100mm, 1.13 mm dia coax | MHF |
| IP04FB | MAF95025 | Tri-Band 2.4/4.9-6 GHz Internal Embedded Antenna with Ferrite bead | 2.8-4 dBi | 2" x 0.65" | 100mm, 1.13 mm dia coax | MHF |
| FL04 | MAF95096 | Tri-Band 2.4/4.9-6 GHz Internal Embedded Antenna | 2.8-4 dBi | 2" x 0.65" | 100mm, 1.13 mm dia coax | MHF |
| IP07 | MAF95061 | Tri-Band 2.4/4.9-6 GHz Internal Embedded Antenna with Ferrite bead | 2.8-4 dBi | 2" x 0.65" | 100mm, 1.13 mm dia coax | MHF |
| | | | | | | |

| NanoBlu | ae | | | | | |
|---------|----------|-----------------------------------|-------|---------------------|-------------------------|-----|
| IP04 | MAF94045 | 2.4 GHz Internal Embedded Antenna | 2 dBi | 1.88" x .5" x .032" | 100mm, 1.13 mm dia coax | MHF |
| IP08 | MAF95060 | 2.4 GHz Internal Embedded Antenna | 2 dBi | 1.88" x .5" x .032" | 203mm, 1.13 mm dia coax | MHF |
| IP02 | MAF94148 | 2.4 GHz Internal Embedded Antenna | 2 dBi | 1.88" x .5" x .032" | 47mm, 1.13 mm dia coax | MHF |
| IP05 | MAF95098 | 2.4 GHz Internal Embedded Antenna | 2 dBi | 1.88" x .5" x .032" | 203mm, 1.13 mm dia coax | MHF |

| Model # | Reference # | Antenna Description | Size (L x W x H) | Connectors |
|---------|-------------|---------------------|------------------|------------|
| | | | | |

| NanoAnt | | | | | | | |
|------------|----------|--|----------------|-----------------|-------------------|-------------------|------|
| BT 1.0 | CAF93512 | Bluetooth, 802.11, 2.4 Embedded Antenna - Ta | | 2.5 x 2.0 x 2.0 |) mm | SMT | |
| BT 1.0 | CAF94890 | Bluetooth, 802.11, 2.4 Embedded Antenna - E | | 2.5 x 2.0 x 2.0 |) mm | SMA Fen | nale |
| BT 2.0 | CAF96136 | WLAN 802.11b/g and 8 MIMO Embedded Ante | | 10 x 3.0 x 4.0 | mm | SMT | |
| BT 2.0 | CAF94890 | WLAN 802.11b/g and 8 | | 10 x 3.0 x 4.0 | mm | SMA Fen | nale |
| GPS 1.0 | CAF96136 | GPS - 1575 MHz Embed | dded Antenna - | 10 x 3.0 x 4.0 | mm | SMT | |
| GPS 1.0 | CAF94890 | GPS - 1575 MHz Embed Evaluation Board | dded Antenna - | 10 x 3.0 x 4.0 | mm | SMA Fen | nale |
| ISM5G 1.0 | CAF96136 | 5 GHz ISM band 3/5.72 Embedded Antenna - Ta | | 10 x 3.0 x 4.0 | mm | SMT | |
| ISM5G 1.0 | CAF94890 | 5 GHz ISM band 3/5.72 Evaluation Board | 5 GHz - | 10 x 3.0 x 4.0 | mm | SMA Fen | nale |
| WLAN5G 1.0 | CAF96136 | Public Safety/WLAN 80 4.9/5.35 GHz Embedde Tape and Reel | | 10 x 3.0 x 4.0 | mm | SMT | |
| WLAN5G 1.0 | CAF94890 | Public Safety/WLAN 80 4.9/5.35 GHz - Evaluati | | 10 x 3.0 x 4.0 | mm | SMA Fen | nale |
| Model | | Description | Center Freq | Gain | Overall Height | Connector Type | Coax |

www.lairdtech.com More Info: 800.323.3757

1575.42 MHz

2.0 dBi

USB &PS2

Mult. options

GPS Receiver Module

| Model # | Reference # | Antenna Description | Gain | Size (L) | Cable | Connectors |
|----------------|-------------|--|---------|--|----------------|-----------------------|
| EXR Series | | | | | | |
| EXR2400-BNRP-G | CAF28915 | 2.4 GHz Half-Wave Dipole, Knuckle Elbow, 5.5", Gray (G) | 3.0 dBi | 14 cm | N/A | RP-BNC |
| EXR2400-BNRP-B | CAF28896 | 2.4 GHz Half-Wave Dipole, Knuckle Elbow, 5.5", Black (B) | 3.0 dBi | 14 cm | N/A | RP-BNC |
| Heptaband | Series | | | | | |
| HEPTA-SM | MAF94300 | 824-894, 880-960, 1575, 1710-1880, 1850-1990, 1920-2170, 2400-2500 MHz Knuckle Elbow Black | 1-3 dBi | 6.3" | N/A | SMA Male |
| HEPTA-RSM | MAF94301 | Same as above Knuckle Elbow Black | 1-3 dBi | 6.3" | N/A | RP-SMA |
| HEPTA-TN-G | MAF94302 | Same as above Knuckle Elbow Gray | 1-3 dBi | 6.3" | N/A | TNC |
| HEPTA-RTN | MAF94303 | Same as above Knuckle Elbow Black | 1-3 dBi | 6.3" | N/A | RP-TNC. |
| HEPTA-IP04 | MAF94304 | Same as above Straight/Captive, Black | 1-3 dBi | 6.3" | RG-178 | IPEX MHF. |
| HEPTA-MMCX04 | MAF94305 | Same as above Straight/Captive, Black | 1-3 dBi | 6.3" | RG-178 | MMCX |
| HEPTA-FL04 | MAF94306 | Same as above Straight/Captive, Black | 1-3 dBi | 6.3" | RG-178 | Flying lead |
| HEPTA-TN | MAF94307 | Same as above Knuckle Elbow, Black | 1-3 dBi | 6.3" | N/A | TNC |
| HEPTA90-TN | MAF94309 | Same as above Straight/Captive, Black, Blade Angle - 90 degree | 1-3 dBi | 6.3" | N/A | TNC |
| WCP Series | | | | | | |
| WCP2400-MMCX2 | CAF28841 | 2.4 GHz ComAer Dipole w/ Pigtail, Straight/Captive, 7 cm | 2.5 dBi | 7 cm | 2" RG-178 | MMCX jack R.A. |
| WCP2400-MMCX4 | CAF28841 | 2.4 GHz ComAer Dipole w/ Pigtail, Straight/Captive, 7 cm | 2.5 dBi | 7 cm | 4" RG-178 | MMCXjackR.A. |
| WCP2400-MMCX6 | 5 CAF28841 | 2.4 GHz ComAer Dipole w/ Pigtail, Straight/Captive, 7 cm | 2.0 dBi | 7 cm | 6" RG-178 | MMCX jack R.A. |
| WCP2400-MMCX8 | 3 CAF28841 | 2.4 GHz ComAer Dipole w/ Pigtail, Straight/Captive, 7 cm | 1.5 dBi | 7 cm | 8" RG-178 | MMCXjackR.A. |
| WCP2400-MMCX1 | 2 CAF28841 | 2.4 GHz ComAer Dipole w/ Pigtail, Straight/Captive, 7 cm | 1.0 dBi | 7 cm | 12" RG-178 | MMCXjackR.A. |
| WCR Series | | | | | | |
| WCR2400-SMA | WCR2400SMA | 2.4 GHz ComAer Dipole, Knuckle Elbow, 10 cm | 2.0 dBi | 8 cm | N/A | SMA-Male |
| WCR2400-SMRP | WCR2400SMRP | 2.4 GHz ComAer Dipole, Knuckle Elbow, 10 cm | 1.0 dBi | 8 cm | N/A | RP-SMA-Male |
| WCR2400-FL04 | MAF94015 | 2.4 GHz ComAer Dipole, Snap-in, Knuckle Elbow | 2.0 dBi | 7.6 cm (90° bent), 10.8 cm (straight) | 100 mm | RG-178 Flying Lead |
| WCR2400-IP04 | MAF94017 | 2.4 GHz ComAer Dipole, Snap-in, Knuckle Elbow | 2.0 dBi | 7.6 cm (90° bent), 10.8 cm (straight) | 100 mm, 1.13mm | MHF |

EXR

Connector Mount

- For Bluetooth & IEEE 802.11 devices
- Injection molded high performance flexible cable antenna

NEW

Heptaband

Snap-in, captive

- Operates simultaneously in more than seven frequency bands supporting Cellular, Quadband GSM+UMTS/3G, GPS, AWS, WIFI, WLAN and WISP
- Available in knuckle swivel snap or SMA/TNC/ RPTNC connector options.

Dipole ComAer 2.4: WCP

Snap-in / Captive 802.11b/g, Bluetooth

- Fits in .25" case up to .070" thick
- Alignment notches to prevent rotation

Dipole ComAer 2.4: WCR

Snap-in 802.11b/g, Bluetooth

- 1/2 wave coaxial dipole
- Clutch allows 360° rotation
- Flexible element



More Info: 800.323.3757 www.lairdtech.com

WRR

Connector Mount 802.11b/g, Bluetooth

 Covers 802.11b for all US and Japanese WLAN applications



Model # Reference # **Antenna Description** Gain Size (L) Cable Connectors **WRR Series** 8.8 cm (90° bent), N/A WRR2400-RPSMA-B MAF94028 2.4 GHz Dipole, 1.3 dBi RP-SMA Knuckle Elbow, Black (B) (2.45 GHz) 10.9 cm (straight) WRR2400-RPSMA-G MAF94046 2.4 GHz Dipole, 1.3 dBi 8.8 cm (90° bent), N/A RP-SMA Knuckle Elbow, Gray (G) (2.45 GHz) 10.9 cm (straight) WRR2400-IP04-B MAF94019 2.4 GHz Dipole, Snap-in, 1.3 dBi 8.8 cm (90° bent), 100 mm, 1.13mm MHF Knuckle Elbow, Black (B) (2.45 GHz) 10.9 cm (straight) WRR2400-IP04-G MAF94048 2.4 GHz Dipole, Snap-in, 1.3 dBi 8.8 cm (90° bent), 100 mm, 1.13mm MHF (2.45 GHz) Knuckle Elbow, Gray (G) 10.9 cm (straight) WRR2400-FL04-B MAF94027 2.4 GHz Dipole, Snap-in, 1.3 dBi 8.8 cm (90° bent), 100 mm RG-178 Flying Lead Knuckle Elbow, Black (B) (2.45 GHz) 10.9 cm (straight) 2.4 GHz Dipole, Snap-in, WRR2400-FL04-G MAF94047 1.3 dBi $8.8 \text{ cm } (90^{\circ} \text{ bent}), 100 \text{ mm RG-}178$ Flying Lead Knuckle Elbow, Gary (G) (2.45 GHz) 10.9 cm (straight) WRR2400-RPTN MAF94260 2.4 GHz Half-Wave Dipole, 2.5 dBi 14 cm N/A RP-TNC Knuckle Elbow, 5.5", Black

WTBP WLAN Tri-Band Blade

Snap-in / Captive 802.11a/b/g, Bluetooth

> Covers 2.4 to 2.5 GHz for 802.11b, and 4.9 to 6 GHz for 802.11a and all US, European, and Japanese WLAN applications

| WIBP | | | | | | |
|-----------------------|----------|---|--|-----------------------------------|-------------------|-------------|
| (Blade parallel to Ro | tation) | | | | | |
| WTBP2450-IP04-F | MAF94003 | Tri-Band 2.4/4.9-6 GHz Blade - Fixed elbow (F) | 2.0 dBi- 2.45 GHz, 3.0 dBi - 4.9 GHz, 3.7 dBi - 5.25 GHz, 3.6 dBi - 5.875 GHz | 4" (90° bent), 4.6" (straight) | 100 mm, 1.13mm | MHF |
| WTBP2450-IP04-K | MAF94009 | Tri-Band 2.4/4.9-6 GHz Blade - Knuckle elbow (K) | Same as above | 4" (90° bent), 4.6" (straight) | 100 mm, 1.13mm | MHF |
| WTBP2450-FL04-F | MAF94023 | Tri-B and 2.4/4.9-6 GHz Blade - Fixed elbow (F) | Same as above | 4" (90° bent), 4.6" (straight) | 100 mm RG-178 | Flying Lead |
| WTBP2450-FL04-K | MAF94025 | Tri-Band 2.4/4.9-6 GHz Blade - | Same as above | 4" (90° bent), | 100 mm RG-178 | Flying Lead |

4.6" (straight)

WTBR WLAN Tri-Band Blade

WTBR Series

Snap-in / Captive 802.11a/b/g, Bluetooth

 Covers 2.4 to 2.5 GHz for 802.11b, and 4.9 to 6 GHz for 802.11a and all US, European, and Japanese WLAN applications

| WIDK Selies | | | | | | |
|-----------------------|----------|--|---|-----------------------------------|----------------|-------------|
| (Edge parallel to Rot | ation) | | | | | |
| WTBR2450-IP04-K | MAF94007 | Tri-Band 2.4/4.9-6 GHz Blade - Knuckle elbow (K) 3.0 dBi - 4.9 GHz, 3.6 dBi - 5.875 GHz | 2.0 dBi- 2.45 GHz, 3.7 dBi - 5.25 GHz, | 4" (90° bent), 4.6" (straight) | 100 mm, 1.13mm | MHF |
| WTBR2450-IP04-F | MAF94010 | Tri-Band 2.4/4.9-6 GHz Blade - Fixed elbow (F) | Same as above | 4" (90° bent), 4.6" (straight) | 100 mm, 1.13mm | MHF |
| WTBR2450-FL04-K | MAF94024 | Tri-Band 2.4/4.9-6 GHz Blade - Knuckle elbow (K) | Same as above | 4" (90° bent), 4.6" (straight) | 100 mm RG-178 | Flying Lead |
| WTBR2450-FL04-F | MAF94026 | Tri-Band 2.4/4.9-6 GHz Blade - Fixed elbow (F) | Same as above | 4" (90° bent), 4.6" (straight) | 100 mm RG-178 | Flying Lead |

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Knuckle elbow (K)

| WTC Series | | | | | | |
|---|---|---|---|---|--------------------------------|---|
| WTC2450-IP04-F | MAF94005 | Tri-Band 2.4/4.9-6 GHz Cylindrical - Fixed elbow (F) | 2.5 dBi- 2.45 GHz, 3.8 dBi - 4.9 GHz, 4.6 dBi - 5.25 GHz. 5.2 dBi - 5.875 GHz | 4.25" (90° bent), 4.9" (straight), 6" diam. | 100 mm, 1.13mm | MHF |
| WTC2450-IP04-K | MAF94006 | Tri-Band 2.4/4.9-6 GHz Cylindrical - Knuckle elbow (K) | Same as above | Same as above | 100 mm, 1.13mm | MHF |
| WTC2450-FL04-F | MAF94022 | Tri-Band 2.4/4.9-6 GHz Cylindrical - Fixed elbow (F) | Same as above | Same as above | 100 mm RG-178 | Flying Lead |
| WTC2450-FL04-K | MAF94021 | Tri-Band 2.4/4.9-6 GHz Cylindrical - Knuckle elbow (K) | Same as above | Same as above | 100 mm RG-178 | Flying Lead |
| WTS Series | | | | | | |
| WTS2450-RPSMA | MAF94051 | Tri-Band 2.4/4.9-6 GHz Small Diameter - Knuckle elbow | 2.5 dBi - 2.45 GHz, 3.6 dBi - 4.9 GHz, 3.0 dBi - 5.25 GHz, 3.4 dBi - 5.875 GHz | 75.4mm (90° bent), 95.9mm (straight), 9.3mm diam. | N/A | RP-SMA |
| WTS2450-IP04 | MAF94016 | Tri-Band 2.4/4.9-6 GHz, Snap-in, Small Diameter Knuckle elbow | Same as above | Same as above | 100 mm, 1.13mm | MHF |
| WTS2450-FL04 | MAF94035 | Tri-Band 2.4/4.9-6 GHz, Snap-in, Small Diameter | Same as above | Same as above | 100 mm RG-178 Knuckle elbow | Flying Lead |
| WXE Series | | | | | | |
| M/VE2 400 CM | | | | | | |
| WXE2400-SM | CAF29155 | 2.4 GHz Half-Wave Dipole, Straight, 5.5" | 3.0 dBi | 5.5" | N/A | SMA-Male Flush |
| WXE2400-SMLH | CAF29155 CAF28832 | • | 3.0 dBi | 5.5" | N/A | |
| | CAF28832 | Straight, 5.5" 2.4 GHz Half-Wave Dipole, | | | | |
| WXE2400-SMLH | CAF28832 | Straight, 5.5" 2.4 GHz Half-Wave Dipole, | | | | |
| WXE2400-SMLH WXR Series | CAF28832 | Straight, 5.5" 2.4 GHz Half-Wave Dipole, Straight, 5.5" 1850 MHz Half-Wave Dipole, | 3.0 dBi | 5.5" | N/A | SMLH-MaleFlush |
| WXR Series WXR1850-TN | CAF28832 CAF28793 | Straight, 5.5" 2.4 GHz Half-Wave Dipole, Straight, 5.5" 1850 MHz Half-Wave Dipole, Knuckle Elbow, 7" 2.4 GHz Half-Wave Dipole, | 3.0 dBi 1.0 dBi | 5.5" 7" | N/A | SMLH-MaleFlush TNC-Male |
| WXR Series WXR1850-TN WXR2400-TN | CAF28793 CAF28778 | Straight, 5.5" 2.4 GHz Half-Wave Dipole, Straight, 5.5" 1850 MHz Half-Wave Dipole, Knuckle Elbow, 7" 2.4 GHz Half-Wave Dipole, Knuckle Elbow, 7" | 3.0 dBi 1.0 dBi 1.0 dBi | 5.5" 7" 7" | N/A N/A | SMLH-MaleFlush TNC-Male TNC-Male |
| WXR Series WXR1850-TN WXR2400-TN Model # | CAF28793 CAF28778 | Straight, 5.5" 2.4 GHz Half-Wave Dipole, Straight, 5.5" 1850 MHz Half-Wave Dipole, Knuckle Elbow, 7" 2.4 GHz Half-Wave Dipole, Knuckle Elbow, 7" | 3.0 dBi 1.0 dBi 1.0 dBi | 5.5" 7" 7" | N/A N/A | SMLH-MaleFlush TNC-Male TNC-Male Connectors |
| WXR Series WXR1850-TN WXR2400-TN Model # Nanobox | CAF28832 CAF28793 CAF28778 Reference # | Straight, 5.5" 2.4 GHz Half-Wave Dipole, Straight, 5.5" 1850 MHz Half-Wave Dipole, Knuckle Elbow, 7" 2.4 GHz Half-Wave Dipole, Knuckle Elbow, 7" Antenna Description Tri-Band 2.4/4.9-6 GHz, | 3.0 dBi 1.0 dBi Gain | 5.5" 7" 7" Size (L W x H) | N/A N/A Cable 610 mm, 1.37 mm | SMLH-MaleFlush TNC-Male TNC-Male Connectors |
| WXR Series WXR1850-TN WXR2400-TN Model # Nanobox Nanobox-IP24 | CAF28832 CAF28793 CAF28778 Reference # | Straight, 5.5" 2.4 GHz Half-Wave Dipole, Straight, 5.5" 1850 MHz Half-Wave Dipole, Knuckle Elbow, 7" 2.4 GHz Half-Wave Dipole, Knuckle Elbow, 7" Antenna Description Tri-Band 2.4/4.9-6 GHz, | 3.0 dBi 1.0 dBi Gain | 5.5" 7" 7" Size (L W x H) | N/A N/A Cable 610 mm, 1.37 mm | TNC-Male Connectors MHF |

Model #

Antenna Description

Reference #

Gain

Size (L)

Cable

Connectors

WTC WLAN Tri-Band

Snap-in / Captive 802.11a/b/g, Bluetooth

• Covers 2.4 to 2.5 GHz for 802.11b, and 4.9 to 6 GHz for 802.11a and all US, European, and Japanese WLAN applications

WTS WLAN Tri-Band Small

Connector Mount 802.11a/b/g, Bluetooth

• Covers 2.4 to 2.5 GHz for 802.11b, and 4.9 to 6 GHz for 802.11a and all US, European, and Japanese WLAN applications

WXE

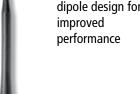
Connector Mount 802.11b/g, Bluetooth

- Injection molded high performance flexible cable antenna
- 1/2 wave coaxial dipole design for improved performance

WXR

Connector Mount 802.11b/g, Bluetooth

- Injection molded high performance flexible cable antenna
 - 1/2 wave coaxial dipole design for improved



More Info: 800.323.3757 www.lairdtech.com NOTICE: Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, Laird Technologies makes no representation or warranties as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Laird Technologies be responsible for damages of any nature whatsoever resulting from the use or reliance upon information or the product to which information refers. Nothing contained herein is to be construed as a recommendation to use any product, process, equipment or formulation in conflict with any patent, and Laird Technologies makes no representation or warranty, expressed or implied, that the use thereof will not infringe any patent. The data set forth in all tables, charts, graphs and figures herein are based on samples tested and are not guaranteed for all samples or applications. Such data are intended as guides and do not reflect product specifications for any particular product. NO REPRESENTATION OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OR MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

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Laird Technologies is the world-leader in the design and supply of customized performance-critical products for wireless and other advanced electronic applications. Laird Technologies partners with its customers to help find solutions for applications in various industries such as Aerospace, Automotive Electronics, Computer, Consumer Electronics, Data Communications, Medical Equipment, Military, Network Equipment, and Telecommunications industries.



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