

617-6000MHz Cell, Dual Band WiFi, GPS, Nine Ports Low Profile Transport Antenna, 4x4 MIMO, 5G Ready

EAM9-4C4W1G-xx series antennas are low profile antennas designed for transit applications. The low-profile heavy duty radome assembly meets the requirements for a variety of vehicles, including cars, buses, trucks, trams and trains. Four of its nine ports cover 617-960/1690-6000MHz full frequency ranges for all cellular networks, and are MIMO ready for 4G and 5G networks. Its another 4 ports support 2400-2500/4900-6000GHz dual band WiFi, and the ninth port supports GPS/GNSS with built in 26dB gain LNA. The unit comes with customizable pigtail lengths and connectors to perfectly fit your installation requirements. The antenna is designed for installation on a solid flat surface with one lock nut and O-ring. The self-adhesive EVA pad on the bottom of the antenna provides additional protection from vibration and water ingress. Only one mounting hole for M25 bolt is needed on the surface.



| Model Number | | EAM9-4C4W1G-xx | |
|---------------------------|--|---|--------------|
| Port-1, 2, 3&4 (4xCell) | Frequency range | 617-960MHz/1690-6000MHz | |
| | Gain | 617-960MHz | 1690-6000MHz |
| | | 4.0dBi | 6.0-8.0dBi |
| | Port-Port Isolation | ≥10dB | |
| | VSWR | 2.0:1 | |
| | Polarization | Vertical | |
| | Power Rating | ≤10W CW per port | |
| | Impedance | 50Ω | |
| | Cable length | RG58, typical 6ft, 10ft or 17ft. Order xx=06, 10, and 17 for 6ft, 10ft, and | |
| Connector type | 4xSMA male, other connector options available. | | |
| Port-5, 6, 7, &8 (4xWiFi) | Frequency range | 2400-2500MHz/4900-6000MHz | |
| | Gain | 2400-2500MHz | 4900-6000MHz |
| | | 5.0dBi | 6.0dBi |
| | Port-Port Isolation | ≥10dB | |
| | VSWR | 2.0:1 | |
| | Polarization | Vertical | |
| | Power Rating | ≤10W CW per port | |
| | Impedance | 50Ω | |
| Cable length | RG58, typical 6ft, 10ft or 17ft. Order xx=06, 10, and 17 for 6ft, 10ft, and 17ft cable respectively. | | |

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| | Connector type | 4xRPSMA male, other connector options available. |
| Port-9 (GPS/GNSS) | Frequency range | 1562-1612MHz |
| | VSWR | 2.0:1 |
| | Gain | 3dBi passive gain +26dB typical LNA gain |
| | Noise Figure | ≤2.7dB typical |
| | Out of Band Rejection | ≥40dB @+/-100MHz |
| | Power Supply Voltage | 3-5VDC |
| | Typical current | 15mA |
| | Polarization | RHC |
| | Cable length | RG174, typical 6ft, 10ft or 17ft. Order xx=06, 10, and 17 for 6ft, 10ft, and 17ft cable respectively. |
| | Connector type | 1xSMA male, other connector options available. |
| Dimensions | | Φ7.0"xH3.15" (Φ 175mmx H80mm) |
| Radome material | | UV stabilized ABS |
| Radome color | | White(standard), Black option is available upon request. |
| Mounting method | | One through hole for M25 bolt, solid flat surface |
| Weather proofing | | IP65 |
| Operating temperature | | -40 - +70 °C |