

LTX1700 Series

MULT-CARRIER MULTIBAND MIMO ANTENNA

PRODUCT OVERVIEW

The LTX1700 Series is versatile, powerful, and built for high-speed data-fusions utilizing multiple carriers and MIMO connections.

- **Configurable & Versatile:** the LTX1700 series features (8x) 5G/LTE, a maximum of up to (8x) WiFi 6E/7, and (1x) GNSS. It covers all the Cellular, WiFi, and GNSS frequencies, supporting GPS, Galileo, Glonass, QZSS, and Beidou. It can be used as 2x Carriers 4x4 MIMO, 4x Carriers 2x2 MIMO, or one Carrier 8x8 MIMO to achieve High-Speed Data-Throughput.
- **Customizable:** can be configured with (0-8x) WiFi elements. It can be configured with Triband GNSS covering L1, L2, L5 bands; specify LTX1700. It can also be configured as a NFPA 130 version that meets the National Fire Protection Association standard; specify PR-.
- **Rapid Delivery;** need it fast? General lead time is (3) weeks or less.

Tested and trusted, Mobile Mark focuses on quality, fast delivery, and leveraging the expertise of highly skilled professionals, specializing in customizable manufacturing solutions across North America and Europe. By combining advanced technologies with comprehensive team knowledge, we ensure tailored products that meet diverse needs, all delivered efficiently to exceed expectations.

To Purchase, visit www.TheAntennaStore.com.

Electrical Specifications		
Frequency & Gain	5G/LTE Cables 1 - 8	617 - 960 MHz, 2 dBi Peak 1710 - 7200 MHz, 5 dBi Peak
	WiFi 6E Cables 9 - 16	2.4 - 2.5 & 4.9 - 7.2 GHz, 5 dBi Peak
	GNSS Cable 17	1561, 1575, & 1602 MHz
VSWR	5G/LTE	< 2.5:1
	WiFi 6E	< 2.0:1
Impedance	50 Ohm Nominal	
Power Rating	10 Watts Maximum (Per Channel)	
GNSS	Amplifier Bias Voltage	+3 to +5 VDC
	Gain	LNA 26 dB ±3 dB / 4 dBiC
	Current	20 mA max, 10 mA typical
Mechanical Specifications		
Radome Material & Color	UV Stable ASA, Available in Black or White	
Radome Dimension	10.70" (27.2cm) L x 5.50" (14.0cm) W x 2.88" (7.3cm) H	
1ft (30.5 cm) Pigtail Cables & Connectors Exiting Antenna	5G/LTE	RG-316 with SMA Plugs LTE-A (Green) & LTE-B (Red)
	WiFi 6E	RG-316 with SMA Plugs (Blue)
	GNSS	RG-174 with SMA Plug (Yellow)
14ft (4.27 m) Jumper Cables & Connectors Included with antenna	5G/LTE	LL-195 with SMA Jack to SMA Plugs LTE-A (Green) & LTE-B (Red)
	WiFi 6E	LL-195 with SMA Jack to Rev Pol SMA Plugs (Blue)
	GNSS	RG-174 with SMA Jack & SMA Plug (Yellow)
Operating Temperature	-40° to +80° C	
Mounting	1"(2.5cm) hole Panel Thickness 0.7"(1.8cm)	
Shock & Vibration	IP67 (When Properly Mounted)	
Dust & Water Ingress	IP67 (When Properly Mounted)	
RoHS Compliant	Yes	



HIGHLIGHTS:

- High Performance Multiband Public Transportation Antenna
- 17-in-1 Configurable Package w/multiple 5G, WiFi 6E/7, and GNSS
- Compact in Size: Shorter than other 17-element antennas
- Easy to Install
- Fast Delivery
- Manufactured in North America & Europe

COMMON APPLICATIONS:

- Vehicle Fleet Management
- Public Transportation
- 5G Sub-6 Mobile/Fixed Site Networks
- High Speed, Large Volume Data Transfer

LTX1700 SERIES - PRODUCT MODELS:

- Configurable: 0-8 WiFi 6E elements

BANDS:

- 5G NR: n1, n2, n3, 4, n5, 6, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n46, n47, n48, n53, n65, n66, n67, n70, n71, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n95, n96, n98, n100, n101, n102, n104, n105, n106
- LTE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 22, 23, 25, 26, 27, 28, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 46, 47, 48, 49, 52, 53, 65, 66, 67, 68, 69, 70, 71, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 89, 90, 95, 96, 98, 100, 101, 102, 104, 105, 106, 252, 255



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