INTRODUCING

FP40 AUTO - 4X4 MIMO MULTI-PORT ANTENNAS

- Configurations available in 7 & 8-port configurations with extension cables and choice of connectors
- Choice of additional whip antennas
- Coverage of all LTE/5G bands (wideband 617-7125 MHz & high band 1710-6000 MHz), Wi-Fi 6E/7, 2.4 GHz ISM and GNSS up to 7125 MHz



FP40 auto is a family of 4x4 MIMO, next generation, multi-port antennas with 2x wideband and 2x high band 5G MIMO capability. Designed for intelligent transportation, public safety, freight and utility applications.

KEY BENEFITS

- Configurations available in 7 and 8-port incorporating next-generation technology
- Coverage of all LTE/5G bands (wideband 617-7125 MHz & high band 1710-6000 MHz), Wi-Fi 6E/7, 2.4 GHz ISM and GNSS up to 7125 MHz
  - VHF, UHF, 700/800/900 MHz covered via additional whip antennas (sold seperately)
- Compatible with all major routers and gateways
- Customizable connector, cable length and port configurations
- Optional high power whip antennas, handling up 60 Watts
- L1 and L5 GNSS for improved positioning accuracy and response times. Also for configurations using both a gateway/router and 2-way mobile that each require a GNSS antenna
- Out of band rejection filters maintain consistent performance
- High data throughput is enabled by technologies such as carrier aggregation
- Superior gain patterns, low gain ripple, high gain at horizon and efficiency of over 70%
- UV, Flammability, Humidity, Impact, Vibration, Shock certified
- R118 compliant cables qualified for burn behavior
- Excellent On and Off ground plane performance

MARKETS

- Intelligent Transportation

APPLICATIONS

- Public Safety
- Utility Vehicles
- Freight / Commercial Transportation
- Public Transportation
- Coaches

ELECTRICAL

- Full electrical specification available in product datasheet

ENVIRONMENTAL SPECIFICATIONS

- Operating & Storage Temperature – °C (°F)
  -40 to +85°C (-40 to +185°F)
- Ratings - Ingress - IP67, Shock - IEC 60068-2-27, Vibration - MIL-STD-810G, Humidity - MIL-STD-810G, 507.5, Flammability - UL94, V0 & UN ECE R118
- Material Substance Compliance -
  RoHS Compliant, CE and UKCA Compliant

MECHANICAL

- Number of Ports - 7 & 8-Port Options Available
- Dimensions – lxwxh – mm (in.)
  - 245 X 63 X 84* (9.6 X 2.5 X 3.3*) - *Whip Excluded
- Weight - g. (oz.)
  - 416 (14.76)
- Cable Length cm (ft)
  - 500cm (16ft)
- Connector
  - Model Dependent
- Radome
  - Polycarbonate, UL94-V0 (Black)

LEARN MORE

Product Landing Page

FP40 auto Datasheet & Kit Configurator Guide

M6 Stud Single Band Whip Datasheet

Tri-Band Whip Datasheet

Customer Presentation

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