

AMBIT™ GNSS

High Gain GNSS Antenna

AMBIT GNSS is a fully rugged outdoor antenna designed specifically for M2M applications. This antenna provides best in class performance with a high gain GPS, GLONASS, Galileo, and Beidou antennas inside a single robust and compact housing.

- Lower profile and smaller footprint than competing solutions
- Must be mounted on metal
- Available in black or white
- Bolt Mount

Descriptions/Applications

The AMBIT GNSS antenna builds on the best in class performance, leading design, features, and extended product life tradition of this highly successful product line. Ideal for kiosks, digital signage, wireless ATMs, vending machines, NEMA enclosures, industrial metering and other wireless machine to machine applications. This antenna has been designed to mount externally to an M2M or IoT enabled asset, and requires no servicing through its life time.



Full Outdoor
Installation Ready



Compact and Robust
UV Resistant Housing



Low loss cable
accessories



GNSS



Fast custom
turnaround time

Standard Configurations

AP-Ambit-G-Q-S2-BL-15

GNSS, Threaded bolt mount, SMA, Black, 15ft coax

Also available in color white, customizable cable lengths up to 35 feet, and other connector variations.

Electrical Data

Frequency Range	Element 1	1550~1610 MHz
Operational Bands	Element 1	GPS L1/GALILEO E1/GLONASS G1/BeiDou B1/QZSS L1
Peak Gain: Isotropic	Element 1	24 dBi

Environmental Data

Hazardous Substances	RoHS Compliant	
Temperature	-40°C to 65°C (-40°F to + 149°F) Operating and Storage	
Humidity (Non-Condensing)	5% to 96% Operating and Storage	
Water Ingress	IP66	

Mounting Data

Dimensions	Height	1.23" (31.3mm)
	Diameter	2.68" (68mm)
Color	Black (BL) or White (WH)	

Cable Data

GNSS	Type	RG-174U
	Diameter	0.100" (2.54 mm)
	Length	1 feet (0.3 m)
	Termination	SMA Male