



April 30, 2018

API50c/API51c,

Amigo Standard AC1300 Ruggedized Access Point

802.11ac Wave2 (Wi-Fi 5)

The Amigo standard ruggedized access points, API50c and API51c, are designed for high power and long range outdoor applications. It delivers fast and reliable concurrent 2.4GHz and 5GHz Wi-Fi performance under any weather conditions. Purpose-built for the harshest outdoor environments, API50c/API51c series APs are IP67 compliant which can withstand extreme temperatures, persistent moisture and precipitation, and fully sealed to keep out airborne contaminants.

API50c/API51c series are 2x2 dual bands 802.11a/b/g/n/ac wave2 AC1300 wireless access points. API50c is designed with internal MIMO sector antenna and API51c is designed with external N-type antenna. It delivers maximum 1300Mbps aggregate dual-band frame rate. It includes three optional functions, GPS, Bluetooth Low Energy (BLE), and TPM. GPS supports both the location management and time synchronization based on 1pps pulse. BLE scanning and Beaconing can be integrated for the flexibility required by the most commercial business applications. TPM can support the secure storage requirement. There are two gigabit Ethernet ports. One of them supports 802.3at compliant power over Ethernet. Besides, the designs of both API50c and API51c have passed FCC and CE certification.

API50c/API51c series are based on Quad-core Qualcomm IPQ4019. It comes with exceptional processing power can support your own embedded application software running together with the wireless and network features. The operation temperature is between -20 to 65 °C. The industrial grade -40°C version based on IPQ4029 is also available. The flexible deployment options allow the APs to be deployed on the pole or on the wall. Both wall and pole mounts can be integrated to optional uniaxial rotate bracket.

Amigo standard ruggedized access points, API50c and API51c, have been released on April 30 2018. It is ready for production and samples are available upon request.

Key Features

- AC1300: 400Mbps (2.4GHz) + 867Mbps (5GHz)
- Chipset: Qualcomm IPQ4019 (ARM Cortex A7 717MHz Quad-Core) + QCA8072
- RF Power: 2.4GHz (23 dBm); 5GHz (23 dBm)
- 3rd Radio Option (mPCIe): Wireless, 3G, LTE
- Memory: NOR 32MB, DDR3 256MB
- 2 x Gigabit Ethernet Port
- Support 802.3at or Passive 48V PoE
- Passive PoE injector 48V
- Option: BLE / TPM / GPS / Thermal Sensor
- IP Rating: IP67
- Installation: Pole Mount, Wall Mount
- Operating: -20°C to 65°C (-40 °C Option)
- API50C: Internal MIMO Sector Antenna
 - 2.4GHz Beam-width: 75° (H), 60° (V)
 - 5GHz Beam-width: 100° (H), 80° (V)
- API51C: External N-type antenna
 - 2.4GHz: 2 x 5dBi Detachable Ant. (N-Type)
 - 5GHz: 2 x 7dBi Detachable Ant. (N-Type)

About Amigo Technology Inc

Amigo Technology Inc., listed on the Taiwan Stock Exchange in 2003, manufactures WAN, LAN, and IoT devices. The business strategy is providing high quality and unique design for Telecommunication companies, service integrators or any other brand companies. For knowing further about Amigo's products, please visit to www.amigo.com.tw.