DAP-F3711-I 802.11A/N/AC OUTDOOR WIRELESS BRIDGE

Product Highlights

- 802.11 a/n/ac 2 x 2 MIMO 867 Mbps
- Time Division Multiple Access (TDMA)
- VTrans Technology for superior performance
- High Gain 15dBi Internal Antenna
- Multiple Operation Modes

DAP-F3711-I is a new generation of industrial grade 802.11ac 2x2 bridge for outdoor applications. It can provide stable outdoor wireless signal coverage and long distance wireless backhaul, and provide customers with stable, high quality, convenient broadband services.

DAP-F3711-I built in VTrans wireless technology, the technology combines industry-leading core technology, including MIMO-OFDM, TDMA, AutoACK, etc., to ensure high throughput and reliable wireless signal coverage under various application scenarios.

Product structure design fully consider harsh environment applications, and comply with the IP66 standard, also has the mould proof, corrosion resistance lightning protection and other characteristics. So the DAP-F3711-I can be deployed in the harsh environment for almost any condition.

Features

- Support 802.11ac standard, and 2x2 MIMO technology
- Transmission distance 0~3Km. Max transmission throughput 867Mbps
- Integrated VTrans technology
- Support multiple operation modes: AP, Station, WDS AP, WDS Station
- Support point-to-point, point-to-multipoint connection
- Unique RF and antenna design enables long-range transmission
- Wireless multimedia optimization technology guarantees video/Traffic shaping
- Support wireless load balancing
- Support dual backup firmware
- Web based working scenario selection makes the installation and setting much easier
- Support remote configuration and upgrade management by AC
- Support SNMP
# Hardware Specifications
- **CPU/Baseband Radio**: QCA9557+QCA9882
- **Memory**: 128MB DDR2, 16MB Flash
- **Physical Interface**: 2×100/1000MBase-TX (Cat. 5/5E, RJ-45)
- **Power Requirement**: PoE 24V

# Software Specifications
- **Protocol**: 802.11a/n/ac
- **Operation Mode**: AP, Station, WDS AP, WDS Station, WDS Repeater
- **Networking**: Bridge, Router
- **Operating Frequency**: 5180~5320, 5745~5825MHz (More Non-standard channels is availability, 4920~6100MHz)
- **Security**: WPA/WPA2, Hide SSID, IP/MAC Filtering
- **Configuration**: Web-based configuration, AC Management, SNMP Management
- **Firmware Update**: Firmware update via browser or AC

# Physical/Electrical/Environmental/Antenna
- **Enclosure Characteristics**: Outdoor PC enclosure
- **Mounting Kit**: Pole Mounting Kit
- **Working Temperature**: -40°C to 65°C
- **Storage Temperature**: -40°C to 85°C
- **Dimensions**: 288×88×45mm
- **Weight**: 0.6kg
- **Max Power Consumption**: <=15W
- **Antenna Gain**: 15dBi H 40° V 15°

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<td>Date Rate</td>
<td>Avg. TX</td>
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<tr>
<td>11a 6Mbps</td>
<td>27dBm</td>
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<tr>
<td>54Mbps</td>
<td>24dBm</td>
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<td>MCS0</td>
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<td>21dBm</td>
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<tr>
<td>MCS13</td>
<td>27dBm</td>
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Radiation Pattern
Radiation pattern as shown in the figures below:

- **Horizontal Azimuth**
- **Horizontal Elevation**
- **Vertical Azimuth**
- **Vertical Elevation**