

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 802.11a/n/ac Outdoor Wireless Bridge

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

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.



TDMA



Intelligent
Rate Control



ACK Time-out
Adjustment



2x2 MiMo



High
Throughput



PTP



PTMP



Long Distance
Coverage



Gigabit
Ethernet



Hardware
Watchdog

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

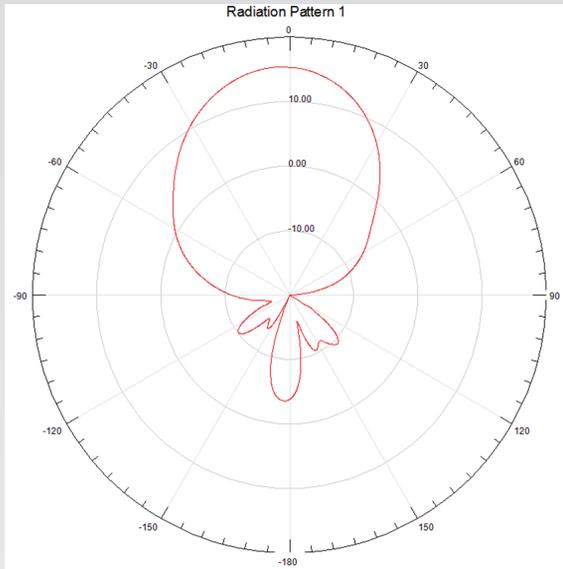
Enclosure Characteristics	Outdoor PC enclosure
Mounting Kit	Pole Mounting Kit
Working Temperature	-40°C to 65°C
Storage Temperature	-40°C to 85°C
Dimensions	288×88×45mm
Weight	0.6kg
Max Power Consumption	<=15W
Antenna Gain	15dBi H 40° V 15°

RF Index

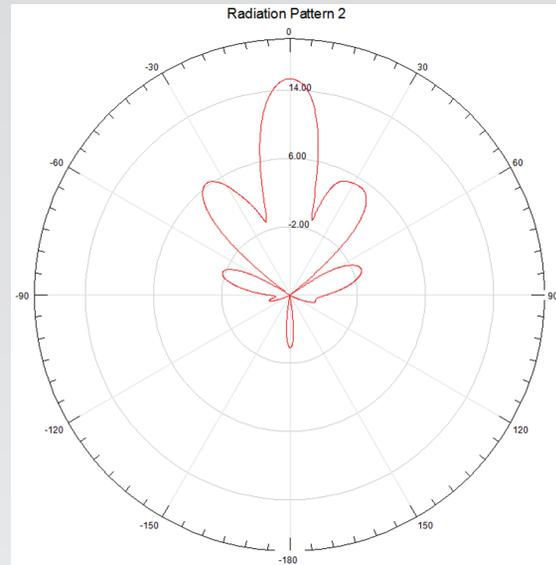
TX Power Specifications				RX Sensitivity Specifications			
	Date Rate	Avg. TX	Tolerance		Data Rate	Avg. TX	Tolerance
11a	6Mbps	27dBm	+/-2dBm	11a	6Mbps	-91dBm	+/-2dBm
	54Mbps	24dBm	+/-2dBm		54 Mbps	-74dBm	+/-2dBm
11n	MCS0	27dBm	+/-2dBm	11n	MCS0 HT20	-91dBm	+/-2dBm
	MCS7	23dBm	+/-2dBm		MCS0 HT40	-88dBm	+/-2dBm
	MCS11	27dBm	+/-2dBm		MCS7 HT20	-74dBm	+/-2dBm
	MCS15	23dBm	+/-2dBm		MCS7 HT40	-71dBm	+/-2dBm
11ac	MCS0	27dBm	+/-2dBm	11ac	MCS0 HT20	-90dBm	+/-2dBm
	MCS9	21dBm	+/-2dBm		MCS9 HT20	-67dBm	+/-2dBm
	MCS13	27dBm	+/-2dBm		MCS9 HT40	-64dBm	+/-2dBm

Radiation Pattern

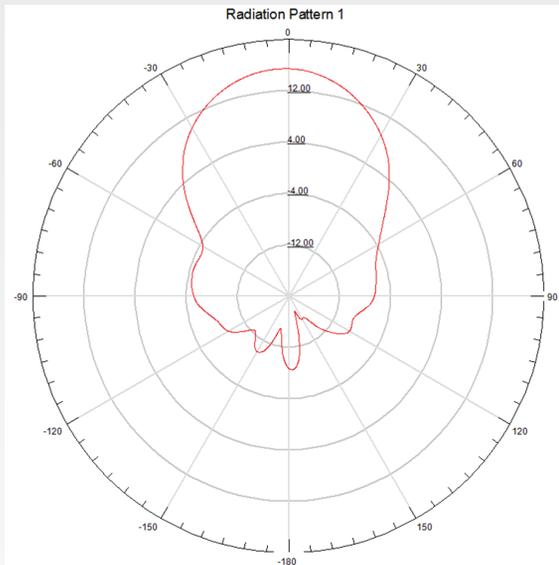
Radiation pattern as shown in the figures below:



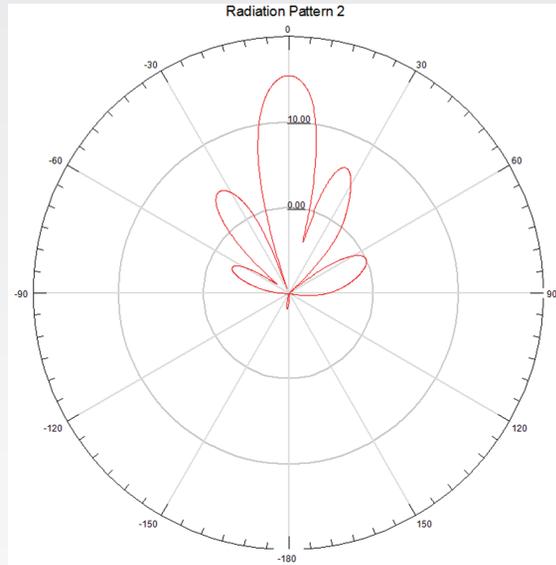
Horizontal Azimuth



Horizontal Elevation



Vertical Azimuth



Vertical Elevation