

Table of Contents

Patch Panel Antennas



Sl. No.	Model Number	Description	Page No.
1.	LWC-RFID-PAT-CP-05	RFID Patch Panel Antenna, 5 dBi	01
2.	LWC-RFID-PAT-CP-07	RFID Patch Panel Antenna, 7 dBi	02
3.	LWC-RFID-PAT-CP-09	RFID Patch Panel Antenna, 9 dBi	03
4.	LWC-GSM-3G-4G-PAT-0509	GSM Patch Panel Antenna, 5/9 dBi	04
5.	LWC-2400-PAT-SP-14	Wifi Patch Panel Antenna, 14 dBi	05
6.	LWC-2400-PAT-SP-17	Wifi Patch Panel Antenna, 17 dBi	06

LAMBDOID WIRELESS COMMUNICATIONS

Address: 647/2, 11th Main, 5th Block, Jayanagar, Bengaluru 560 041. INDIA.

Tel: +91 80 2659 5337; **Email:** info@lambdoid.net; **Website:** www.lambdoid.net

Patch Panel Antennas

RFID Applications



LAMBDOID
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-RFID-PAT-CP-05	
Frequency (MHz)	865 – 868 MHz	
Gain	> 5dBi	
Impedance (Ω)	50	
VSWR	< 2.0	
Polarization	RHCP	
Axial Ratio	< 2.5 dB	
Power Handling (W)	2 W	
HPBW	H: 75 ⁰ ; V: 75 ⁰	
Cable	As required	
Connector	As required	
Mechanical Specification		Salient Features
Dimension (mm)	110 x 110 x 27 mm Approx	<ul style="list-style-type: none"> - High Quality ABS - Low Cost - Custom Mounting Solutions
Material	ABS	
Weight including Mounting Brackets	< 50g	
Environmental Specification		Applications
Operational Temperature	-30 ⁰ to 65 ⁰ C	<ul style="list-style-type: none"> - RFID
IP Rating	IP65	


LAMBDOID WIRELESS COMMUNICATIONS

Address: 647/2, 11th Main, 5th Block, Jayanagar, Bengaluru 560 041. INDIA.

Tel: +91 80 2659 5337; **Email:** info@lambdoid.net; **Website:** www.lambdoid.net

Patch Panel Antennas

RFID Applications

Technical Specification		Photograph / Drawing
Model Number	LWC-RFID-PAT-CP-07	
Frequency (MHz)	865 – 868 MHz	
Gain	7 dBi	
Impedance (Ω)	50	
VSWR	< 2.0	
Polarization	RHCP	
Power Handling (W)	2 W	
Cable	As required	
Connector	As required	
Mechanical Specification		
Dimension (mm)	260 x 260 x 45 mm Approx	<ul style="list-style-type: none">- High Quality ABS- Low Cost- Custom Mounting Solutions
Material	ABS	
Weight including Mounting Brackets	~700 gm	
Environmental Specification		Applications
Operational Temperature	-30 ⁰ to 65 ⁰ C	<ul style="list-style-type: none">- Tracking- Inventory
IP Rating	IP65	

Patch Panel Antennas

RFID Applications




LAMBDOID
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-RFID-PAT-CP-09	
Frequency (MHz)	865-868 MHz	
Gain	09 dBi	
Impedance (Ω)	50	
VSWR	< 2.0	
Polarization	RHCP	
Power Handling (W)	5 W	
HPBW	H: 60 ⁰ ; V: 45 ⁰	
Cable	As required	
Connector	N-Female	
Mechanical Specification		Salient Features
Dimension (mm)	380 x 380 x 50 mm Approx	<ul style="list-style-type: none"> - High Quality ABS - Low Cost - Custom Mounting Solutions
Material	ABS	
Weight including Mounting Brackets	2 Kg Approx	
Environmental Specification		Applications
Operational Temperature	-30 ⁰ to 65 ⁰ C	<ul style="list-style-type: none"> - RFID
IP Rating	IP65	

Patch Panel Antennas

GSM / 3G / 4G Applications

Technical Specification		Photograph / Drawing
Model Number	LWC-GSM-3G-4G-PAT-0509	
Frequency (MHz)	698 – 960 MHz & 1710 - 2690 MHz	
Gain	5 / 9dBi	
Impedance (Ω)	50	
VSWR	< 2.5	
Polarization	Linear	
Power Handling (W)	10W	
HPBW	H: 65 ⁰ / 45 ⁰ ; V: 65 ⁰ / 45 ⁰	
Cable	LMR200 or RG58	
Connector	As required	
Mechanical Specification		Salient Features
Dimension (mm)	210 x 170 x 45	<ul style="list-style-type: none"> - Compact Size - Low Cost - Right Angle version available on request - Tin and Nickel plated for corrosion-free - Antennas with rubber sleeve to protect from sparks
Material	ABS	
Weight including Mounting Brackets	300g	
Environmental Specification		Applications
Operational Temperature	-30 ⁰ to 60 ⁰ C	<ul style="list-style-type: none"> - GSM - 3G - 4G - Wifi - ISM
Humidity	5 – 95%	

Patch Panel Antennas

2400 MHz Applications



LAMBDOID
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-2400-PAT-SP-14	
Frequency (MHz)	2400-2500 MHz	
Gain	14 dBi	
Impedance (Ω)	50	
VSWR	< 2.0	
Polarization	Linear(V or H)	
Power Handling (W)	50 W	
HPBW	H: 25 ⁰ ; V: 25 ⁰	
Cable	As required	
Connector	N-Female	
Mechanical Specification		Salient Features
Dimension (mm)	380 x 380 x 50 mm Approx	<ul style="list-style-type: none"> - High Quality ABS - Low Cost - Custom Mounting Solutions
Material	ABS	
Weight including Mounting Brackets	2 Kg Approx	
Environmental Specification		Applications
Operational Temperature	-30 ⁰ to 65 ⁰ C	<ul style="list-style-type: none"> - Wifi
IP Rating	IP65	

Patch Panel Antennas

2400 MHz Applications



LAMBDOID
WIRELESS

Technical Specification		Photograph / Drawing
Model Number	LWC-2400-PAT-SP-17	
Frequency (MHz)	2400-2500 MHz	
Gain	>17 dBi	
Impedance (Ω)	50	
VSWR	< 2.0	
Polarization	Linear(V or H)	
Power Handling (W)	50 W	
HPBW	H: 25 ⁰ ; V: 25 ⁰	
Cable	As required	
Connector	N-Female	
Mechanical Specification		Salient Features
Dimension (mm)	380 x 380 x 50 mm Approx	<ul style="list-style-type: none"> - High Quality ABS - Low Cost - Custom Mounting Solutions
Material	ABS	
Weight including Mounting Brackets	2 Kg Approx	
Environmental Specification		Applications
Operational Temperature	-30 ⁰ to 65 ⁰ C	<ul style="list-style-type: none"> - Wifi
IP Rating	IP65	