

INTRODUCTION

The TAMP118 is an omnidirectional Wi-Fi external antenna used for connecting wireless communication equipment such as a Wi-Fi 6e, Wi-Fi7 router to client devices.

APPLICATION

Any wireless device that requires an antenna covering Wi-Fi frequency bands. Examples Uses – Routers, Gateways, CPEs, Automotive devices, IoT devices, etc.

Features and Benefits

- **External Antenna with Hinge Covering WiFi 2.4/5/6 GHz Triple Bands**
- Antenna Size: 156.4 X Φ 13mm
- Connector: SMA male
- Color: Black / White
- Operating Frequency Bands:
 - 2400~2500MHz
 - 5100~5900MHz
 - 5925~7125MHz
- High Efficiency up to 90%
- Peak Gain: 1.9~4.1 dBi



Performance









Gain and Efficiency

	Frequency [Mhz]	2.4Ghz Band			5Ghz Band						
		2401	2442	2478	5150	5220	5500	5750	5805	5825	5855
Unfolded	Efficiency [%]	68.2	72.7	74.3	63.0	64.9	66.8	77.0	77.7	73.9	77.2
	Peak Gain [dBi]	2.70	3.05	3.26	1.88	2.25	3.15	2.78	2.35	2.42	2.70
Folded	Efficiency [%]	79.8	88.2	85.0	67.2	66.4	81.5	90.3	85.4	88.7	89.5
	Peak Gain [dBi]	2.93	3.26	3.11	2.31	2.19	3.20	4.18	3.91	3.89	3.91
Impedance		50 Ω									
Polarization		Vertical									
Directivity		Omni Directional									

VSWR



Radiation Pattern

	2401Mhz	2478Mhz	5150Mhz	5850Mhz
Unfolded				
Folded				

Dimension (unit: mm)

