

Date: July 10, 2024

Federal Communications Commission
Office of Engineering and Technology Laboratory Division
7435 Oakland Mills Rd.
Columbia, MD 21046

SUBJECT: Application for Class II Permissive Change for FCC ID: **TVE-3901M12**

This is to request a Class II Permissive Change for FCC ID: **TVE-3901M12**, original granted on **03/25/2024**)

This application is to add the models:

FortiWiFi 50Gxxxxxxx, FORTIWIFI-50Gxxxxxxx, FWF-50Gxxxxxxx,
FortiWiFi 51Gxxxxxxx, FORTIWIFI-51Gxxxxxxx, FWF-51Gxxxxxxx
FortiWiFi 50G-SFPxxxxxxx, FORTIWIFI-50G-SFPxxxxxxx, FWF-50G-SFPxxxxxxx,
FortiWiFi 51G-SFPxxxxxxx, FORTIWIFI-51G-SFPxxxxxxx, FWF-51G-SFPxxxxxxx (where "x" can be used as "A-Z", or "0-9", or "-", or blank for software purposes or marketing purposes only).

The hardware changes filed under this application are below:

	Models	PCB Mainboard	WWAN Module	Wi-Fi Module	WWAN Antennas	Wi-Fi Antennas	GNSS Antenna location	SSD	SFP Port
Original	FortiWiFi 50G-5Gxxxxxxx, FORTIWIFI-50G-5Gxxxxxxx, FWF-50G-5Gxxxxxxx	PCB4	Yes	Yes	Yes	Yes	Front	No	No
	FortiWiFi 51G-5Gxxxxxxx, FORTIWIFI-51G-5Gxxxxxxx, FWF-51G-5Gxxxxxxx	PCB4	Yes	Yes	Yes	Yes	Front	Yes	No
New	FortiWiFi 50Gxxxxxxx, FORTIWIFI-50Gxxxxxxx, FWF-50Gxxxxxxx	PCB2	No	Yes	No	Yes	No	No	No
	FortiWiFi 51Gxxxxxxx, FORTIWIFI-51Gxxxxxxx, FWF-51Gxxxxxxx	PCB2	No	Yes	No	Yes	No	Yes	No
	FortiWiFi 50G-SFPxxxxxxx, FORTIWIFI-50G-SFPxxxxxxx, FWF-50G-SFPxxxxxxx	PCB2	No	Yes	No	Yes	No	No	Yes
	FortiWiFi 51G-SFPxxxxxxx, FORTIWIFI-51G-SFPxxxxxxx, FWF-51G-SFPxxxxxxx	PCB2	No	Yes	No	Yes	No	Yes	Yes

- The differences between Main board PCB4 and PCB2 are:
 - The dimensions of the PCB4 motherboard is 210.1 * 174.25 mm.
 - The dimensions of the PCB2 motherboard is 208.9 * 156.8 mm.
 - The PCB layouts of PCB4 and PCB2 are different, but they use the same Wi-Fi module.
 - The PCB4 motherboard has a WWAN module slot which allows for installing a 5G module.
- The Wi-Fi module, Wi-Fi antennas and software security remains unchanged from the original granted.

Sincerely yours,



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