

Panasonic Wi-Fi modules for next generation smart heat pumps

In production



PAN9028

WiFi 5 (2.4 GHz & 5 GHz) & Bluetooth 5.2 (BR/EDR/LE)
based on NXP's 88W8987

- **Simple HW design & reduction of BOM costs** including PMIC
- Possibility to switch between Chip Antenna & Bottom Pad
- Power Tables stored on OTP for **fulfilling regional regulatory requirements**
- Certified External antenna for **radio unfriendly enclosures**

Q2/23

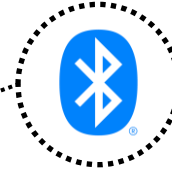
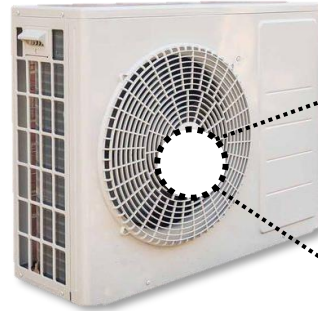


PAN9019(A)

WiFi 6 (2.4 GHz & 5 GHz) & Bluetooth 5.2 (BR/EDR/LE) & optionally: 802.15.4
based on NXP's IW611 (PAN9019) and IW612 (PAN9019A)

- **Small size**
- **Easier certification** by storing Power Tables in configuration files
- **Reducing BOM costs** by including functional Buck converter

Use Cases:



Interaction with App / Low power Sensors

- Data aggregation from low power sensors nodes
- Control and monitoring of heat pump system over smart phone
- Easy installation & commissioning via App



Remote Control/Monitoring over Internet or Smart Device

- Integration of Heat pump system in existing Smart Home network
- Superior control overheat pump system (on/off, room temperature)
- Performance tracking for cost & energy saving
- (Over the Air) System Updates
- Interaction with other WiFi based 3rd party devices (e.g., Voice Control over Alexa)



Interested?

Contact: wireless.connectivity@eu.panasonic.com

Certified for:



CE RED



FCC



ISED



UKCA



Local technical support



Fast availability of samples and Evaluation Tools



European development & production



Reduced carbon foot print in supply chain thanks to European production



100% end-of-line tested modules



0 ppm failure rate