

# IN Your Future

## Medical devices

Wireless connectivity plays an essential role for medical applications such as healthcare wearables or diagnostic devices. These technologies enable the seamless transmission of critical health data. Wireless connectivity enables healthcare wearables to collect and process real-time vital signs and health data to healthcare providers remotely, allowing for continuous monitoring.

Thanks to their reliability and durability, the PAN178x and PAN90xx series are Panasonic Industry's modules of choice for such medical applications: The PAN178x as compact and energy-efficient solution for connected patient sensor scenarios - and the PAN9028 and PAN9019 as ideal choices for point of care diagnostics.

### Applications



Healthcare Wearables



Diagnostic Devices

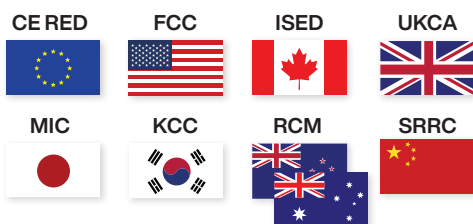


	PAN178x	PAN1783
Technology	Bluetooth 5.3	
SoC	nRF52 Series by  NORDIC	nRF5340 by  NORDIC
Security	ARM TrustZone Cryptocell	Arm CryptoCell-312 root-of-trust secure key storage security
SAR evaluation*	Up to 5 mm	Up to 5 mm
Output power	8 dBm (configurable)	3 dBm (configurable)
Certifications	CE RED, FCC, ISED, MCC, KCC, RCM, SRRC	CE RED, FCC, ISED on request: MCC, KCC, RCM, SRRC

	PAN9028	PAN9019
Technology	Wi-Fi 5 & Bluetooth 5.2	Wi-Fi 6 & Bluetooth 5.2
SoC	88W8987 by  NXP	IW611 by  NXP
Security	WPA3	
SAR evaluation*	Up to 20 cm	
Output power	Up to 16 dBm (fixed)	Up to 18 dBm (configurable)
Certifications	CE RED, FCC, ISED	CE RED, FCC, ISED, MIC

\*depending on region

### Certified for



- 100% end-of-line tested
- European development & production
- 0 ppm failure rate
- Long product longevity

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