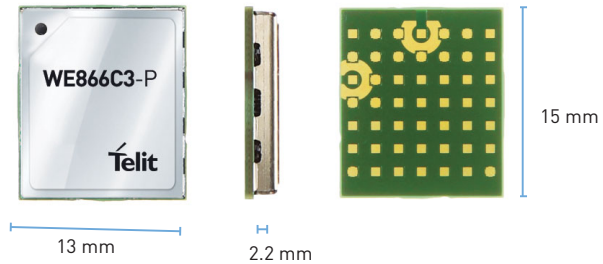


WE866C3-P

Wi-Fi 802.11 ac (1x1) BT/BLE5



Product Description

The WE866C3_P is a low power, dual-band (2.4 & 5GHz), 1-stream (1x1) 802.11ac Wi-Fi and Bluetooth (BT/BLE5) module with an extremely small footprint that provides an easy & cost-effective way for manufacturers to add wireless connectivity to their products. With the integrated LTE-WiFi/BLE coexistence filter, the product offers a powerful cellular backhaul with Telit's LE910Cx 4G LTE module family. WE866C3-P also offers a high bandwidth Wi-Fi/BLE transceiver solution for Linux & Android* powered IoT systems, using the advanced 802.11ac technology.

The module supports a low-power, high-speed SDIO3.0 host interface for Wi-Fi and a UART interface for Bluetooth (BT/BLE). It also offers an additional PCM interface for BT-Audio.

The product is an ideal solution for organizations with limited RF (Wi-Fi/Bluetooth) expertise or for those seeking faster time to market, as it reduces RF design time and removes the burden of testing and certification.

Key Benefits

- xE866 Telit form-factor, Wi-Fi/BLE companion device for LE910Cx (4G LTE) module family
- High Bandwidth Wi-Fi/BLE transceiver module for Linux & Android*, based IoT system
- Bluetooth 5 with Low energy (LE) support
- Integrated LTE-WiFi/BLE coexistence filter
- Pre-Certified for FCC, IC, CE, Wi-Fi, BT
- Single antenna for Wi-Fi and BT/BLE
- Industrial grade temperature range

AVAILABLE FOR

- [EMEA](#)
- [North America](#)
- [Japan*](#)
- [Korea*](#)

**Complete,
Ready to Use Access
to the Internet of Things**



Target Applications

Commercial/Enterprise

- Commercial Building Automation
- Patient Monitoring
- Inventory Management
- Home Security & Automation
- Kiosks, Vending, POS

Transportation/Mobility

- Aftermarket/OEM Telematics
- Asset Tracking
- Fleet Management
- Intelligent Transportation
- People Pet Tracking

Industrial/Infrastructure

- Condition-based Monitoring
- Agriculture
- Video Surveillance
- Healthcare Equipment Monitoring
- Smart City

WE866C3-P

WE866C3-P: External antenna (RF pad)

RF Spec	Wi-Fi - 802.11 a/b/g/n/ac (2.4GHz, 5GHz @ 20/40/80MHz) BT/BLE5 - (2.4GHz)																		
Host Interface	Wi-Fi: SDIO 3.0 Bluetooth: UART Bluetooth Audio: PCM																		
Modes	Wi-Fi AP (Access Point- Support up to 10 STA's), STA (Client), Concurrent Mode (AP+STA), BLE Peripheral, central & concurrency																		
Linux Transceiver Driver Support	Linux(x86 & i.MX platform - Kernel version 4.9.11), Android*																		
Linux transceiver Wi-Fi Throughput	200+Mbps (over SDIO)																		
Support for Firmware Upgrade	Yes																		
Coexistence	Integrated LTE-WiFi/BT coexistence filter Inbuilt Wi-Fi/BT coexistence																		
LTE Companion Throughput	<table border="1"> <thead> <tr> <th>Model</th> <th>Downlink (Mbps)</th> <th>Uplink (Mbps)</th> </tr> </thead> <tbody> <tr> <td>LE910C1-NF</td> <td>10</td> <td>5</td> </tr> <tr> <td>LE910C1-EU</td> <td>10</td> <td>5</td> </tr> <tr> <td>LE910C1-AP</td> <td>10</td> <td>5</td> </tr> <tr> <td>LE910C4-NF</td> <td>95</td> <td>38</td> </tr> <tr> <td>LE910C4-EU</td> <td>95</td> <td>38</td> </tr> </tbody> </table>	Model	Downlink (Mbps)	Uplink (Mbps)	LE910C1-NF	10	5	LE910C1-EU	10	5	LE910C1-AP	10	5	LE910C4-NF	95	38	LE910C4-EU	95	38
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Radio Regulatory Certification	Wi-Fi: FCC, IC, RED, TELEC*, KC*, BT/BLE																		
Compliance	Wi-Fi: Wi-Fi Alliance, BT-SIG																		
Environmental Compliance	RoHS, REACH																		
Antenna Option	External Antenna (RF Pads)																		
Outline Dimension	15mm x 13mm x 2.2 mm																		
Operating Voltage	3.3V																		
Operating Temperature	-30°C to +85°C (Industrial Grade)																		

*Not available in first release

QUESTIONS? VISIT WWW.TELIT.COM/CONTACT-US

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