

Wi-Fi CERTIFIED™ Certificate



This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: www.wi-fi.org/certification/programs

Certification ID: WFA128292

Product Info

| Date of Certification | October 4, 2023 |
|-----------------------|--|
| Company | Panasonic Automotive Systems Co., Ltd. |
| Product Name | Car Audio System |
| Product Model Variant | 2023-10-06 |
| Model Number | CL-MH1EXJTT |
| Category | Other |
| Sub-category | In-vehicle Network |

Summary of Certifications

| CLASSIFICATION | CERTIFICATION |
|--------------------|--|
| Network management | WMM® |
| Security | Protected Management Frames WPA2™-Personal 2018-04 WPA3™-Personal 2022-06 |
| Wi-Fi (MAC/PHY) | 2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities Spectrum & Regulatory Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n |



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Role: Access Point

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| Wi-Fi Components | | | |
|---|-----------------|---------------|--------------|
| Wi-Fi Component Operating System | RF Architecture | | |
| Android, version:8.0 | Bands Supported | Transmit (Tx) | Receive (Rx) |
| Wi-Fi Component Firmware 4.5.1.248.0 | 2.4 GHz | 1 | 1 |
| 1.0.1.2 10.0 | 5 GHz | 2 | 2 |

Certifications

| 2.4 GHz Spectrum Capabilities | Wi-Fi CERTIFIED™ ac |
|---|--|
| 20 MHz Channel Width in 2.4 GHz | A-MPDU with A-MSDU Extended 5 GHz Channel Support |
| 5 GHz Spectrum Capabilities 20 MHz Channel Width in 5 GHz 40 MHz Channel Width in 5 GHz 80 MHz Channel Width in 5 GHz | LDPC Rx LDPC Tx MCS 8-9 Rx RTS with BW Signaling Short Guard Interval STBC |
| Protected Management Frames | Wi-Fi CERTIFIED™ b |
| Spectrum & Regulatory | Wi-Fi CERTIFIED™ g |
| Spectrum & Regulatory 802.11d 802.11h | Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n |
| 802.11d | |
| 802.11d 802.11h | Wi-Fi CERTIFIED™ n A-MPDU Tx OBSS on Extension Channel |
| 802.11d 802.11h WMM® | Wi-Fi CERTIFIED™ n A-MPDU Tx OBSS on Extension Channel RIFS Short Guard Interval |

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Role: Station

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| Wi-Fi Components | | | |
|---|-----------------|---------------|--------------|
| Wi-Fi Component Operating System | RF Architecture | | |
| Android, version:8.0 | Bands Supported | Transmit (Tx) | Receive (Rx) |
| Wi-Fi Component Firmware 4.5.1.248.0 | 2.4 GHz | 1 | 1 |
| | 5 GHz | 2 | 2 |

Certifications

| 2.4 GHz Spectrum Capabilities | Wi-Fi CERTIFIED™ ac |
|--|--|
| 20 MHz Channel Width in 2.4 GHz 40 MHz Channel Width in 2.4 GHz | Extended 5 GHz Channel Support RTS with BW Signaling A-MPDU with A-MSDU LDPC Rx |
| 5 GHz Spectrum Capabilities 20 MHz Channel Width in 5 GHz 40 MHz Channel Width in 5 GHz 80 MHz Channel Width in 5 GHz | MCS 8-9 Rx Short Guard Interval STBC LDPC Tx SU beamformee |
| Protected Management Frames | Wi-Fi CERTIFIED™ b |
| Spectrum & Regulatory | Wi-Fi CERTIFIED™ g |
| 802.11h | Wi-Fi CERTIFIED™ n |
| WMM® | A-MPDU Tx OBSS on Extension Channel |
| WPA2™-Personal 2018-04 | RIFS Power Management |
| WPA3™-Personal 2022-06 | Short Guard Interval |
| Wi-Fi CERTIFIED™ a | |

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