



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: WFA109751

Product Info

| | |
|------------------------------|---|
| Date of Certification | February 1, 2021 |
| Company | NEC Corporation |
| Product Name | HIKARI TAKINOU ROUTER |
| Product Model Variant | HIKARI TAKINOU ROUTER |
| Model Number | eo-RT200(N) |
| Category | Routers |
| Sub-category | Access Point for Home or Small Office (Wireless Router) |

Summary of Certifications

| CLASSIFICATION | CERTIFICATION |
|---------------------|---|
| Connectivity | 2.4 GHz Spectrum Capabilities 5 GHz Spectrum Capabilities Wi-Fi CERTIFIED 6® Wi-Fi CERTIFIED™ a Wi-Fi CERTIFIED™ ac Wi-Fi CERTIFIED™ b Wi-Fi CERTIFIED™ g Wi-Fi CERTIFIED™ n Wi-Fi Enhanced Open™ 2020-02 |
| Optimization | WMM® Wi-Fi Agile Multiband™ |
| Security | Protected Management Frames WPA2™-Personal 2020-02 WPA3™-Personal 2020-02 WPA™-Personal |



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Role: Access Point

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Wi-Fi Components

Wi-Fi Component Operating System

Linux

Wi-Fi Component Firmware

JC02

RF Architecture

| Bands Supported | Transmit (Tx) | Receive (Rx) |
|-----------------|---------------|--------------|
| 2.4 GHz | 4 | 4 |
| 5 GHz | 4 | 4 |

Certifications

2.4 GHz Spectrum Capabilities

20 MHz Channel Width in 2.4 GHz
 40 MHz Channel Width in 2.4 GHz

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
 160 MHz Channel Width in 5 GHz

Protected Management Frames

WMM®

WPA2™-Personal 2020-02

WPA3™-Personal 2020-02

WPA™-Personal

Wi-Fi Agile Multiband™

Automatically populate BSS Transition candidate list

Wi-Fi CERTIFIED 6®

4 antenna support
 A-MPDU with A-MSDU
 Basic Trigger frame in HE MU PPDU
 BSRP Trigger frame
 Compressed Block Ack Rx (buffer size 256)
 Compressed Block Ack Tx (buffer size 256)
 DL MU-MIMO
 DL OFDMA
 Individual Target Wake Time
 LDPC Rx
 LDPC Tx
 MCS 8-9 Rx
 MCS 8-9 Tx
 MCS 10-11 Rx
 MCS 10-11 Tx
 MU EDCA Parameter Set element
 MU-BAR Trigger frame
 MU-RTS Trigger frame
 M-BSSID
 Operating Mode indication
 SU beamformer
 TXOP RTS Threshold
 UL OFDMA

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Wi-Fi CERTIFIED™ ac

RTS with BW Signaling
A-MPDU with A-MSDU
DL MU-MIMO
LDPC Rx
LDPC Tx
MCS 8-9 Rx
Short Guard Interval
STBC
SU beamformer

Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

OBSS on Extension Channel
Short Guard Interval
STBC
A-MPDU Tx

Wi-Fi Enhanced Open™ 2020-02