



# Wi-Fi CERTIFIED® Certificate

This certificate lists the features that have successfully completed Wi-Fi Alliance interoperability testing. Learn more: [www.wi-fi.org](http://www.wi-fi.org)



**Certification ID: WFA113516**

## Product Info

|                              |                                      |
|------------------------------|--------------------------------------|
| <b>Date of Certification</b> | September 10, 2021                   |
| <b>Company</b>               | MitraStar Technology Corporation     |
| <b>Product Name</b>          | Router Smart WiFi 6                  |
| <b>Product Model Variant</b> | Router Smart WiFi 6 GPT-2841GX4X5 v8 |
| <b>Model Number</b>          | Router Smart WiFi 6 GPT-2841GX4X5 v8 |
| <b>Category</b>              | Routers                              |
| <b>Sub-category</b>          | Mobile Access Point                  |

## Summary of Certifications

| CLASSIFICATION            | CERTIFICATION                                                                                                                                                                                     |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Network management</b> | WMM®                                                                                                                                                                                              |
| <b>Security</b>           | Protected Management Frames<br>WPA2™-Personal 2021-01<br>WPA3™-Personal 2020-02                                                                                                                   |
| <b>Wi-Fi (MAC/PHY)</b>    | 2.4 GHz Spectrum Capabilities<br>5 GHz Spectrum Capabilities<br>Wi-Fi CERTIFIED 6®<br>Wi-Fi CERTIFIED™ a<br>Wi-Fi CERTIFIED™ ac<br>Wi-Fi CERTIFIED™ b<br>Wi-Fi CERTIFIED™ g<br>Wi-Fi CERTIFIED™ n |

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Role: Access Point

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## Wi-Fi Components

### Wi-Fi Component Operating System

Linux 4.19.35

### Wi-Fi Component Firmware

ES\_g1.0\_100XNQ0b2

### RF Architecture

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

## 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

### Protected Management Frames

### WMM®

### WPA2™-Personal 2021-01

### WPA3™-Personal 2020-02

### Wi-Fi CERTIFIED 6®

4 antenna support

A-MPDU with A-MSDU

DL MU-MIMO

LDPC Rx

### Wi-Fi CERTIFIED 6® (continued)

LDPC Tx

MCS 8-9 Rx

MCS 8-9 Tx

MCS 10-11 Rx

MCS 10-11 Tx

MU EDCA Parameter Set element

MU-RTS Trigger frame

Operating mode indication

SU beamformer

TXOP RTS Threshold

### Wi-Fi CERTIFIED™ a

### Wi-Fi CERTIFIED™ ac

A-MPDU with A-MSDU

LDPC Rx

LDPC Tx

MCS 8-9 Rx

Short Guard Interval

DL MU-MIMO

STBC

SU beamformer

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Wi-Fi CERTIFIED™ b

Wi-Fi CERTIFIED™ g

Wi-Fi CERTIFIED™ n

OBSS on Extension Channel

Short Guard Interval

STBC

A-MPDU Tx

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