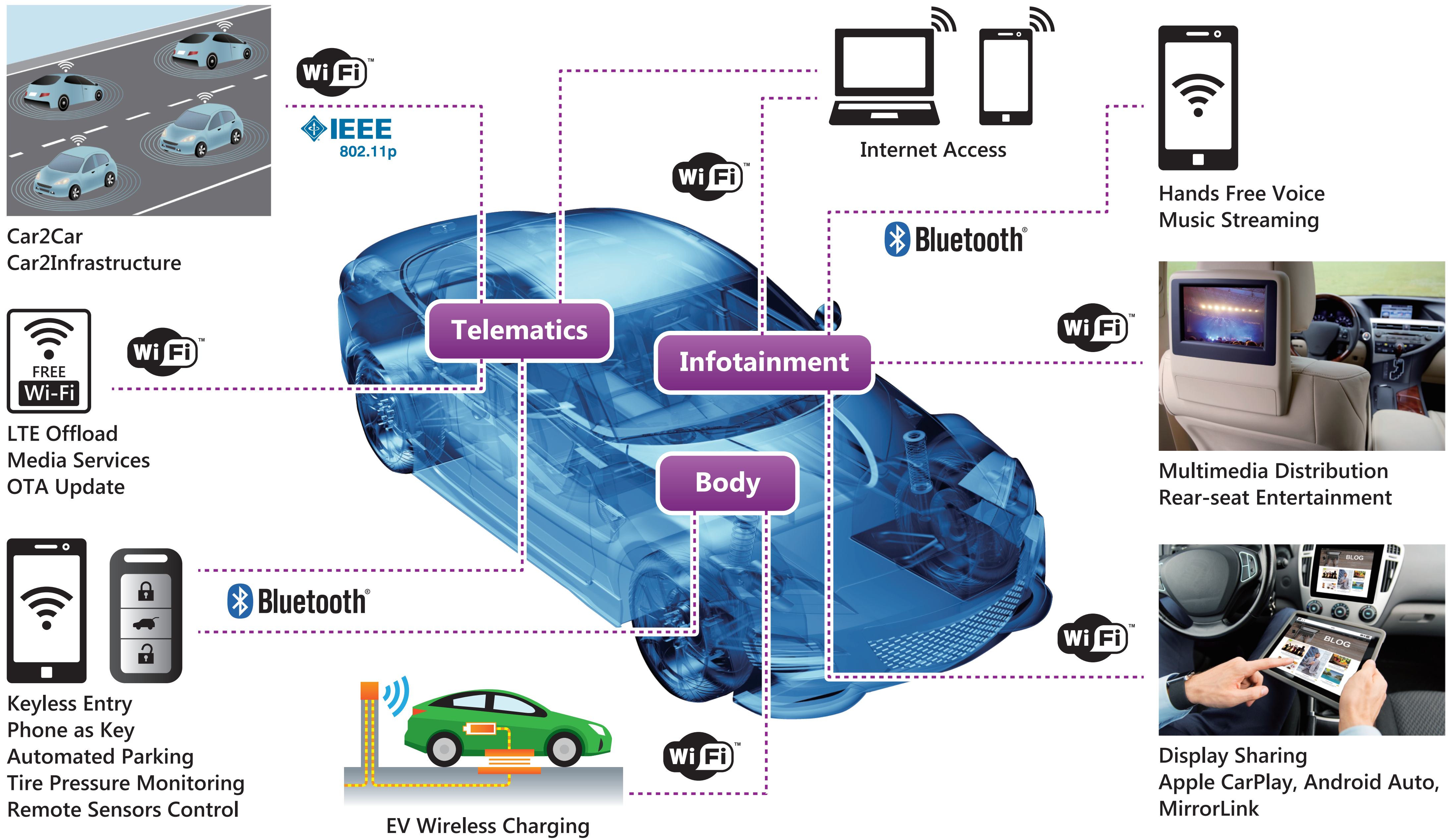


Connectivity

Wi-Fi/Bluetooth® Module



DWM-W145

SPCIFICATION

ITEM	SPECIFICATION	
W-LAN	Carrier Frequency	2.412GHz to 2.472GHz
	Number of Channel	13ch
	Modulation	DSSS/OFDM
	Data Rate	DSSS: 1M/2M/5.5M/11Mbps
		OFDM: 6M/9M/12M/8M/24M/36M/48M/54Mbps
		MCS0-8(HT20 MIMO):14.4M to 173.4Mbps MCS0-9(HT40 MIMO):30.0M to 400.0Mbps
	Carrier Frequency	5.180G to 5.8250GHz
	Number of Channel	U.S.A.: 21ch/Europe: 19ch/ Japan: 19ch
	Modulation	OFDM
	Data Rate	OFDM: 6M/9M/12M/18M/24M/36M/48M/54Mbps
MCS0-8(HT20 MIMO):14.4M to 173.4Mbps		
MCS0-9(HT40 MIMO):30.0M to 400.0Mbps MCS0-9(HT80 MIMO):65.0M to 866.6Mbps		
Host Interface	PCIe v3.0	
Bluetooth	Carrier Frequency	2.402G to 2.480GHz
	Power Class	Class 2
	Hopping	1600hops/sec
	Modulation	GFSK/PI/4-DQPSK/8DPSK
	Data Rate	GFSK: 1Mbps
		PI/4-DQPSK: 2Mbps 8DPSK: 3Mbps
Host Interface	UART/PCM/I ² S	
Environmental Condition	Operating Condition	Temperature: -40 to +85°C Humidity: 20 to 85%(None dew)

* Specifications subject to change without notice for improvements

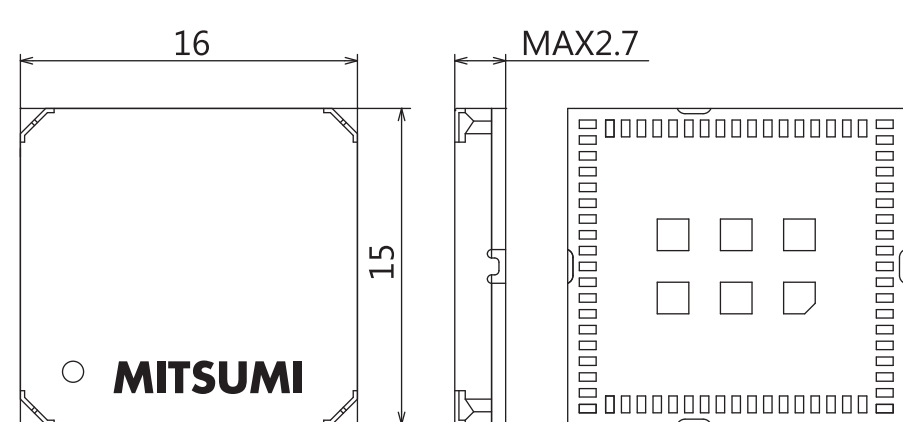
DWM-W317

SPCIFICATION

ITEM	SPECIFICATION	
W-LAN	Carrier Frequency	2.412GHz to 2.472GHz
	Number of Channel	13ch
	Modulation	DSSS/OFDM
	Data Rate	DSSS: 1M/2M/5.5M/11Mbps
		OFDM: 6M/9M/12M/8M/24M/36M/48M/54Mbps
		MCS0-8(HT20):7.2M to 86.7Mbps MCS0-9(HT40):15.0M to 200.0Mbps
	Carrier Frequency	5.180G to 5.8250GHz
	Number of Channel	U.S.A.: 21ch/Europe: 19ch/ Japan: 19ch
	Modulation	OFDM
	Data Rate	OFDM: 6M/9M/12M/18M/24M/36M/48M/54Mbps
MCS0-8(HT20):7.2M to 86.7Mbps		
MCS0-9(HT40):15.0M to 200.0Mbps MCS0-9(HT80):32.5M to 433.3Mbps		
Host Interface	SDIO v3.0	
Bluetooth	Carrier Frequency	2.402G to 2.480GHz
	Power Class	Class 1 or Class 2
	Hopping	1600hops/sec
	Modulation	GFSK/PI/4-DQPSK/8DPSK
	Data Rate	GFSK: 1Mbps
		PI/4-DQPSK: 2Mbps 8DPSK: 3Mbps
Host Interface	UART/PCM	
Environmental Condition	Operating Condition	Temperature: -40 to +85°C Humidity: 20 to 85%(None dew)

* Specifications subject to change without notice for improvements

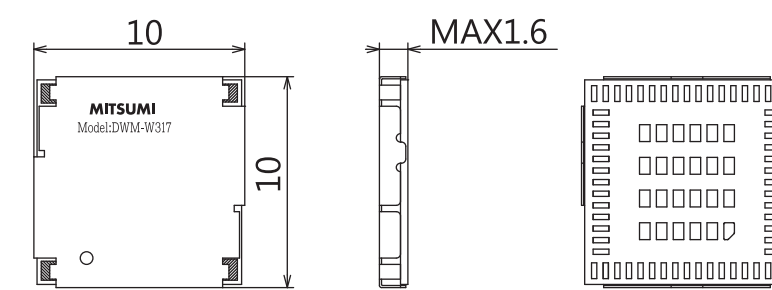
DIMENSIONS



FEATURE

- Supports very high throughput wireless LAN standards IEEE802.11ac/a/b/g/n (2.4 GHz/5 GHz).
Theoretical throughput for 2x2 MIMO : 866 Mbps
- Supports Bluetooth® 4.2 (BLE)
- Small size, low width
- Mounting Type: SMD type

DIMENSIONS



FEATURE

- Supports very high throughput wireless LAN standards IEEE802.11ac/a/b/g/n (2.4 GHz/5 GHz).
Theoretical throughput for single spatial stream : 433 Mbps
- Supports Bluetooth® 4.1 (BLE)
- Small size, low width
- Mounting Type: SMD type

Automotive technology applications continue to evolve beyond propulsion and control. Mitsumi products enable simple integration of wireless connectivity in key parts of the vehicle. Allowing the car maker to deliver the features that today's consumer wants.