Regulatory information

This device is not intended for use in machinery, medical or industrial applications. Any changes or modifications not expressly approved by Microsoft could void the user's authority to operate this device. This product is for use with NRTL Listed (UL, CSA, ETL, etc.), and/or IEC/ EN 60950-1 or IEC/EN 62368-1 compliant (CE marked) Information Technology equipment. No serviceable parts included. This device is rated as a commercial product for operation at +32ºF (+0ºC) to +95ºF (+35ºC).

Disposal of Waste Batteries and Electrical & Electronic Equipment

 This symbol on the product or its batteries or its packaging means that this product and any batteries it contains must not be disposed of with your household waste. Instead, it is your responsibility to hand this over to an applicable collection point for the recycling of batteries and electrical and electronic equipment. This separate collection and recycling will help to conserve natural resources and prevent potential negative consequences for human health and the environment due to the possible presence of hazardous substances in batteries and electrical and electronic equipment, which could be caused by inappropriate disposal. For more information about where to drop off your batteries and electrical and electronic waste, please contact your local city/ municipality office, your household waste disposal service, or the shop where you purchased this product. Contact eRecycle@microsoft.com for additional information on WEEE and waste batteries. Rechargeable products contain a Lithium-ion Battery.

Exposure to Radio Frequency (RF) Energy

This device contains radio transmitters and has been designed, manufactured and tested to meet the Federal Communications Commission (FCC), Innovation, Science and Economic Development (ISED) Canada requirements and European guidelines for RF exposure and Specific Absorption Rate.

Model 1707: This equipment should be installed and operated with minimum 20 cm between the radio and your body.

Models 1793, 1796, 1807, 1824, 1825, 1832, 1866, 1876, 1899, 1900, 1901, 1926, 1927, 1960, 1961 : To ensure that your exposure to RF energy generated by the radio transmitters does not exceed the exposure limits set forth by these guidelines, orient the device such that the display side is not directly in contact with your body, such as lying display side on your lap or upper body.

Product SAR information is available at sar.microsoft.com. Additional information about RF safety can be found on the links below:

FCC website at https://www.fcc.gov/general/radio-frequency-safety-0
ISED website at https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf01904.html

This device operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems. Users are advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

The radio frequency bands of operation for Model 1707 and the associated maximum nominal transmit power and tolerances are as follows:
WLAN (Main) 2400-2483.5MHz, 17.2dBm EIRP +/-1.5dB.
WLAN (Main) 5.15-5.25GHz, 21.59dBm EIRP +/-1.5dB.
WLAN (Main) 5.25-5.35GHz, 19.41dBm EIRP +/-1.5dB.
WLAN (Main) 5.47-5.725GHz, 18.89dBm EIRP +/-1.5dB.
WLAN (Main) 5.725-5.85GHz, 13.56dBm EIRP +/-1.5dB.
WLAN (Accessory) 5.15-5.25GHz, -1.7dBm EIRP +/-1.5dB.
WLAN (Accessory) 5.725-5.85GHz, -1.9dBm EIRP +/-1.5dB.
Bluetooth/BT LE 2400-2483.5MHz, 5.01dBm EIRP +/-1.5dB.

The radio frequency bands of operation for Model 1769/1782 and the associated maximum nominal transmit power and tolerances are as follows:
WLAN 2400-2483.5MHz, 17dBm EIRP +/-1.5dB.
WLAN 5.15-5.25GHz, 18dBm EIRP +/-1.5dB.
WLAN 5.25-5.35GHz, 18dBm EIRP +/-1.5dB.
WLAN 5.47-5.725GHz, 18dBm EIRP +/-1.5dB.
WLAN 5.725-5.85GHz, 11dBm EIRP +/-1.5dB.
Bluetooth 2400-2483.5MHz, 6dBm EIRP +/-1.5dB. 8

The radio frequency bands of operation for Model 1793 and the associated maximum nominal transmit power and tolerances are as follows:
WLAN 2400-2483.5MHz, 18dBm EIRP +/-1.5dB
WLAN 5.15-5.25GHz, 18dBm EIRP +/-1.5dB
WLAN 5.25-5.35GHz, 18dBm EIRP +/-1.5dB
WLAN 5.47-5.725GHz, 17.5dBm EIRP +/-1.5dB
WLAN 5.725-5.85GHz, 13dBm EIRP +/-1.5dB
Bluetooth 2400-2483.5MHz, 7.1dBm EIRP +/-1.5dB
Accessory radio 5.15-5.25GHz, -3.6+/-1.5dB
Accessory radio 5.725-5.85GHz, -4+/-1.5dB

The radio frequency bands of operation for Model 1796 and the associated maximum nominal transmit power and tolerances are as follows:
WLAN 2400-2483.5MHz, 18dBm EIRP +/-1.5dB.
WLAN 5.15-5.25GHz, 18dBm EIRP +/-1.5dB.
WLAN 5.25-5.35GHz, 17dBm EIRP +/-1.5dB.
WLAN 5.47-5.725GHz, 18dBm EIRP +/-1.5dB.

WLAN 5.725-5.85GHz, 9dBm EIRP +/-1.5dB.
Bluetooth 2400-2483.5MHz, 6dBm EIRP +/-1.5dB.

The radio frequency bands of operation for Model 1807 and the associated maximum nominal transmit power and tolerances are as follows:
LTE 1920~1980MHz, 24dBm Conducted Power +/- 1.0 dB
LTE 1710~1785MHz, 24dBm Conducted Power +/- 1.0 dB
LTE 2500~2570MHz, 24dBm Conducted Power +/- 1.0 dB
LTE 880~915MHz, 24dBm Conducted Power +/- 1.0 dB
LTE 832~862MHz, 24dBm Conducted Power +/- 1.0 dB
LTE 703~748MHz, 24dBm Conducted Power +/- 1.0 dB
LTE 2570~2620MHz, 24dBm Conducted Power +/- 1.0 dB
LTE 2300~2400MHz, 24dBm Conducted Power +/- 1.0 dB
UMTS 1920~1980MHz, 24dBm Conducted Power +/- 1.0 dB
UMTS 880~915MHz, 24dBm Conducted Power +/- 1.0 dB
WLAN 2400-2483.5MHz, 18dBm EIRP +/-1.5dB.
WLAN 5.15-5.25GHz, 18dBm EIRP +/-1.5dB.
WLAN 5.25-5.35GHz, 17dBm EIRP +/-1.5dB.
WLAN 5.47-5.725GHz, 18dBm EIRP +/-1.5dB.
WLAN 5.725-5.85GHz, 9dBm EIRP +/-1.5dB.
Bluetooth 2400-2483.5MHz, 6dBm EIRP +/-1.5dB.

The radio frequency bands of operation for Model 1824 and the associated maximum nominal transmit power and tolerances are as follows:
WLAN 2400-2483.5MHz, 17.7dBm EIRP +1/-2dB.
WLAN 5.15-5.25GHz, 18.78dBm EIRP +1/-2dB.
WLAN 5.25-5.35GHz, 18.77dBm EIRP +1/-2dB.
WLAN 5.47-5.725GHz, 18.76dBm EIRP +1/-2dB.
WLAN 5.725-5.85GHz, 11.46dBm EIRP +1/-2dB.
Bluetooth 2400-2483.5MHz, 5.7dBm EIRP +/-1.5dB.
NFC -21.66dBμA/m +/-2dB @10m

The radio frequency bands of operation for Model 1825 and the associated maximum nominal transmit power and tolerances are as follows:
LTE 1920~1980MHz, 24dBm Conducted Power +/- 1.0 dB
LTE 1710~1785MHz, 24dBm Conducted Power +/- 1.0 dB
LTE 2500~2570MHz, 24dBm Conducted Power +/- 1.0 dB
LTE 880~915MHz, 24dBm Conducted Power +/- 1.0 dB
LTE 832~862MHz, 24dBm Conducted Power +/- 1.0 dB
LTE 703~748MHz, 24dBm Conducted Power +/- 1.0 dB
LTE 2570~2620MHz, 23.5dBm Conducted Power +/- 1.0 dB
LTE 2300~2400MHz, 23.5dBm Conducted Power +/- 1.0 dB
UMTS 1920~1980MHz, 24dBm Conducted Power +/- 1.0 dB
UMTS 880~915MHz, 24dBm Conducted Power +/- 1.0 dB
WLAN 2400-2483.5MHz, 18.44dBm EIRP +1/-2dB

WLAN 5.15-5.25GHz, 17.94 dBm EIRP +1/-2dB
WLAN 5.25-5.35GHz, 18.02 dBm EIRP +1/-2dB
WLAN 5.47-5.725GHz, 17.98 dBm EIRP +1/-2dB
WLAN 5.725-5.85GHz, 9.03 dBm EIRP +1/-2dB
Bluetooth 2400-2483.5MHz, 2.98dBm EIRP +1.5/-1.5dB
NFC -21.32dBμA/m @10m +2/-2dB

The radio frequency bands of operation for Model 1832 and the associated maximum nominal transmit power and tolerances are as follows:
WLAN 2400-2483.5MHz, 17.2dBm EIRP +/-1.5dB.
WLAN 5.15-5.25GHz, 20.3dBm EIRP +/-1.5dB.
WLAN 5.25-5.35GHz, 18.5dBm EIRP +/-1.5dB.
WLAN 5.47-5.725GHz, 18dBm EIRP +/-1.5dB.
WLAN 5.725-5.85GHz, 12.5dBm EIRP +/-1.5dB.
Bluetooth 2400-2483.5MHz, 7dBm EIRP +/-1.5dB.

The radio frequency bands of operation for Model 1853 and the associated maximum nominal transmit power and tolerances are as follows:
BT LE 2402-2480MHz, -10.41 dBm EIRP +/-4 dB.

The radio frequency bands of operation for Model 1864 and the associated maximum nominal transmit power and tolerances are as follows:
NFC 13.56MHz, 0dBm EIRP

The radio frequency bands of operation for Model 1866 and the associated maximum transmit powers are as follows:
WLAN 2400-2483.5MHz, 18.6dBm EIRP
WLAN 5.15-5.25GHz, 21.6dBm EIRP
WLAN 5.25-5.35GHz, 21.6dBm EIRP
WLAN 5.47-5.725GHz, 21.4dBm EIRP
WLAN 5.725-5.85GHz, 12dBm EIRP
Bluetooth 2400-2483.5MHz, 9.8dBm EIRP
Bluetooth LE 2400-2483.5MHz, 7.8dBm EIRP

The radio frequency bands of operation for Model 1867 and the associated maximum transmit powers are as follows:
WLAN 2400-2483.5MHz, 21.35dBm EIRP
WLAN 5.15-5.25GHz, 23.4dBm EIRP
WLAN 5.25-5.35GHz, 21.6dBm EIRP
WLAN 5.47-5.725GHz, 21.7dBm EIRP
WLAN 5.725-5.85GHz, 15.9dBm EIRP
Bluetooth 2400-2483.5MHz, 4.2dBm EIRP
Bluetooth LE 2400-2483.5MHz, 4.2dBm EIRP

The radio frequency bands of operation for Model 1868 and the associated maximum transmit powers are as follows:

WLAN 2400-2483.5MHz, 21.35dBm EIRP
WLAN 5.15-5.25GHz, 23.4dBm EIRP
WLAN 5.25-5.35GHz, 21.6dBm EIRP
WLAN 5.47-5.725GHz, 21.7dBm EIRP
WLAN 5.725-5.85GHz, 15.9dBm EIRP
Bluetooth 2400-2483.5MHz, 4.2dBm EIRP
Bluetooth LE 2400-2483.5MHz, 4.2dBm EIRP

The radio frequency bands of operation for Model 1872 and the associated maximum transmit powers are as follows:
WLAN 2400-2483.5 MHz, 19.6 dBm EIRP
WLAN 5.15-5.25 GHz, 22.5 dBm EIRP
WLAN 5.25-5.35 GHz, 19.8 dBm EIRP
WLAN 5.47-5.725 GHz, 20 dBm EIRP
WLAN 5.725-5.85 GHz, 13.3 dBm EIRP
Bluetooth 2400-2483.5 MHz, 1.3 dBm EIRP
Bluetooth LE 2400-2483.5 MHz, 1.3 dBm EIRP

The radio frequency bands of operation for Model 1873 and the associated maximum transmit powers are as follows:
WLAN 2400-2483.5MHz, 15.7 dBm EIRP
WLAN 5.15-5.25GHz, 20.0 dBm EIRP
WLAN 5.25-5.35GHz, 20.9 dBm EIRP
WLAN 5.47-5.725GHz, 20.4 dBm EIRP
WLAN 5.725-5.85GHz, 13.0 dBm EIRP
Bluetooth 2400-2483.5MHz, 3.8 dBm EIRP
Bluetooth LE 2400-2483.5MHz, -2.2 dBm EIRP

The radio frequency bands of operation for Model 1876 and the associated maximum transmit powers are as follows:
LTE 1920-1980MHz, 27.1 dBm EIRP
LTE 1710-1785MHz, 27.1 dBm EIRP
LTE 2500-2570MHz, 25.6 dBm EIRP
LTE 880-915MHz, 25.3 dBm EIRP
LTE 832-862MHz,24.7 dBm EIRP
LTE 703-748MHz, 24.4 dBm EIRP
LTE 2570-2620MHz,25.3 dBm EIRP
LTE 2300-2400MHz,26.6 dBm EIRP
UMTS 1920-1980MHz, 27.1 dBm EIRP
UMTS 880-915MHz,25.3 dBm EIRP
WLAN 2400-2483.5MHz, 17.4dBm EIRP
WLAN 5.15-5.25GHz, 18.7dBm EIRP
WLAN 5.25-5.35GHz, 18.7dBm EIRP
WLAN 5.47-5.725GHz, 17.9dBm EIRP
WLAN 5.725-5.85GHz, 11.5dBm EIRP

Bluetooth 2400-2483.5MHz, 6.7dBm EIRP
Bluetooth LE 2400-2483.5MHz 5.8dBm EIRP

The radio frequency bands of operation for Model 1899 and the associated maximum transmit powers are as follows:
WLAN 2400-2483.5MHz, 19.5 dBm EIRP
WLAN 5.15-5.25GHz, 21.5 dBm EIRP
WLAN 5.25-5.35GHz, 21.5 dBm EIRP
WLAN 5.47-5.725GHz, 21.5 dBm EIRP
WLAN 5.725-5.85GHz, 12.25 dBm EIRP
Bluetooth 2400-2483.5MHz, 12.5 dBm EIRP
Accessory Radio 5.15-5.85GHz, 0.2 dBm EIRP

The radio frequency bands of operation for Model 1900 and the associated maximum transmit powers are as follows:
WLAN 2400-2483.5MHz, 18.5 dBm EIRP
WLAN 5.15-5.25GHz, 20 dBm EIRP
WLAN 5.25-5.35GHz, 20 dBm EIRP
WLAN 5.47-5.725GHz, 20.25 dBm EIRP
WLAN 5.725-5.85GHz, 11.75 dBm EIRP
Bluetooth 2400-2483.5MHz, 12.5 dBm EIRP

The radio frequency bands of operation for Model 1901 and the associated maximum transmit powers are as follows:
WLAN 2400-2483.5MHz, 21 dBm EIRP
WLAN 5.15-5.25GHz, 20.76 dBm EIRP
WLAN 5.25-5.35GHz, 20.76 dBm EIRP
WLAN 5.47-5.725GHz, 21 dBm EIRP
WLAN 5.725-5.85GHz, 10.41 dBm EIRP
Bluetooth 2400-2483.5MHz, 15.89 dBm EIRP

The radio frequency bands of operation for Model 1926 and the associated maximum transmit powers are as follows:
WLAN 2400-2483.5MHz, 21 dBm EIRP
WLAN 5.15-5.25GHz, 20.76 dBm EIRP
WLAN 5.25-5.35GHz, 20.76 dBm EIRP
WLAN 5.47-5.725GHz, 21 dBm EIRP
WLAN 5.725-5.85GHz, 10.41 dBm EIRP
Bluetooth 2400-2483.5MHz, 15.89 dBm EIRP
NFC -22.29dBMA/m @10m

The radio frequency bands of operation for Model 1927 and the associated maximum transmit powers are as follows:
LTE 1920~1980MHz: 25 dBm EIRP
LTE 1710~1785MHz: 25 dBm EIRP

LTE 2500~2570MHz: 22.8 dBm EIRP
LTE 880~915MHz: 25 dBm EIRP
LTE 832~862MHz: 25 dBm EIRP
LTE 703~748MHz: 25 dBm EIRP
LTE 2570~2620MHz: 24.5 dBm EIRP
LTE 2300~2400MHz: 24.5 dBm EIRP
UMTS 1920~1980MHz: 25 dBm EIRP
UMTS 880~915MHz: 25 dBm EIRP
WLAN 2400-2483.5MHz, 18.45 dBm EIRP
WLAN 5.15-5.25GHz, 17.82 dBm EIRP
WLAN 5.25-5.35GHz, 17.82 dBm EIRP
WLAN 5.47-5.725GHz, 19.47 dBm EIRP
WLAN 5.725-5.85GHz, 8.76 dBm EIRP
Bluetooth 2400-2483.5MHz, 11.06 dBm EIRP
NFC -22.29dBMA/m @10m

The radio frequency bands of operation for Model 1943 and the associated maximum nominal transmit power and tolerances are as follows:
WLAN 2.400 - 2.4835 GHz : 18.53dBm EIRP ± 1dB
WLAN 5.15 - 5.25 GHz : 17.98dBm EIRP ± 1dB
WLAN 5.25 - 5.35 GHz : 16.96dBm EIRP ± 1dB
WLAN 5.47 - 5.725 GHz : 18.66dBm EIRP ± 1dB
WLAN 5.725 - 5.85 GHz : 10.10dBm EIRP ± 1dB
Bluetooth 2400 - 2483.5 MHz : 11.62dBm EIRP ± 1.5dB
Bluetooth LE 2400 - 2483.5 MHz : 8.62dBm EIRP ± 1.5dB

The radio frequency bands of operation for Model 1950, 1951 and the associated maximum transmit powers are as follows:
WLAN 2400-2483.5MHz, 20dBm EIRP
WLAN 5.15-5.25GHz, 23dBm EIRP
WLAN 5.25-5.35GHz, 23dBm EIRP
WLAN 5.47-5.725GHz, 23dBm EIRP
WLAN 5.725-5.85GHz, 13.5dBm EIRP
Bluetooth 2400-2483.5MHz, 11.5dBm EIRP
Bluetooth LE 2400-2483.5MHz, 8dBm EIRP

The radio frequency bands of operation for Model 1952, 1953 and the associated maximum transmit powers are as follows:
WLAN 2400-2483.5 MHz, 20dBm EIRP
WLAN 5.15-5.25 GHz, 23dBm EIRP
WLAN 5.25-5.35 GHz, 23dBm EIRP
WLAN 5.47-5.725 GHz, 23dBm EIRP
WLAN 5.725-5.85 GHz, 13.5dBm EIRP
Bluetooth 2400-2483.5 MHz, 11.5dBm EIRP
Bluetooth LE 2400-2483.5 MHz, 8dBm EIRP

The radio frequency bands of operation for Model 1958, 1959 and the associated maximum transmit powers are as follows:
WLAN 2400-2483.5 MHz, 20dBm EIRP
WLAN 5.15-5.25 GHz, 23dBm EIRP
WLAN 5.25-5.35 GHz, 23dBm EIRP
WLAN 5.47-5.725 GHz, 23dBm EIRP
WLAN 5.725-5.85 GHz, 13.5dBm EIRP
Bluetooth 2400-2483.5 MHz, 14dBm EIRP
Bluetooth LE 2400-2483.5 MHz, 11dBm EIRP

The radio frequency bands of operation for Model 1960 and the associated maximum transmit powers are as follows:
WLAN 2.400-2.4835 GHz : 19.2dBm EIRP ± 1dB
WLAN 5.15-5.25 GHz : 21.0dBm EIRP ± 1dB
WLAN 5.25-5.35 GHz : 21dBm EIRP ± 1dB
WLAN 5.47-5.725 GHz : 21.4dBm EIRP ± 1dB
WLAN 5.725-5.85 GHz : 12dBm EIRP ± 1dB
Bluetooth 2.400-2.4835 GHz : 11.7dBm EIRP ± 1.5dB
Bluetooth LE 2.400-2.4835 GHz : 7.7dBm EIRP ± 1.5dB

The radio frequency bands of operation for Model 1961 and the associated maximum transmit powers are as follows:
LTE 1920-1980MHz, 24.8 dBm EIRP
LTE 1710-1785MHz, 24.7 dBm EIRP
LTE 2500-2570MHz, 27.0 dBm EIRP
LTE 880-915MHz, 24.2 dBm EIRP
LTE 832-862MHz, 24.7 dBm EIRP
LTE 703-748MHz, 23.8 dBm EIRP
LTE 2570-2620MHz, 26.1 dBm EIRP
LTE 2300-2400MHz, 27.0 dBm EIRP
UMTS 1920-1980MHz, 25.3 dBm EIRP
UMTS 880-915MHz, 24.2 dBm EIRP
WLAN 2400-2483.5MHz, 19.6 dBm EIRP
WLAN 5.15-5.25GHz, 20.2 dBm EIRP
WLAN 5.25-5.35GHz, 20.0 dBm EIRP
WLAN 5.47-5.725GHz, 21.7 dBm EIRP
WLAN 5.725-5.85GHz, 13.0 dBm EIRP
Bluetooth 2400-2483.5MHz, 13.2 dBm EIRP
Bluetooth LE 2400-2483.5MHz, 9.2 dBm EIRP

The radio frequency bands of operation for Model 1979 and the associated maximum transmit powers are as follows:
WLAN 2400-2483.5MHz, 20dBm EIRP
WLAN 5.15-5.25GHz, 23dBm EIRP

WLAN 5.25-5.35GHz, 23dBm EIRP
WLAN 5.47-5.725GHz, 23dBm EIRP
WLAN 5.725-5.85GHz, 13.5dBm EIRP
Bluetooth 2400-2483.5MHz, 10.5dBm EIRP
Bluetooth LE 2400-2483.5MHz, 6.5dBm EIRP

Company: Microsoft Ireland Operations Limited
Address: One Microsoft Place, South County Business Park, Dublin D18 P521
Country: Ireland
Telephone number: +353 1 295 3826
Fax number: +353 1 706 4110

BE	DK	GR	ES	FR
IE	IT	LU	NL	AT
PT	FI	SE	GB	NO
DE	CH	PL	HU	SK
CZ	CY	IS	RO	SI
EE	LV	LT	MT	LI
BG	TR	HR		

5.15-5.35GHz indoor use only.

Simplified EU Declaration of Conformity

Hereby, Microsoft Corporation, declares that this product is in compliance with Directive 2014/53/EU.

The full text of the EU Declaration of Conformity is available at the following internet address: aka.ms/eucompliancedoc

Full Declaration of Conformity also contains information such as Software and Accessories that may impact radio compliance with the above directive.

EN-GB 1.12.0