

## ASUS SMALL NETWORK EQUIPMENT ENERGY INFORMATION – 2020

Asus Computer Inc. is a signatory to the “Voluntary Agreement for Ongoing Improvement to the Energy Efficiency of Small Network Equipment (SNE)”, please find energy consumption for each individual SNE device in the below. This information will be updated as new devices are made available.

Model Number	Description	Base Type	Idle Power (Watts)
<b>Blue Cave</b>	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (4), 802.11n 256 QAM, USB 3, Bluetooth, PCIe (2), AP 5K-10K DMIPS	IAD D3.0	12.90
<b>CM-32</b>	D3 above 4x4 (7), GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (4), 802.11n 256 QAM, USB 2 (2), PCIe (2)	Advanced LNE	13.50
<b>CT8</b>	GigE LAN (4), WiFi (n) HP, WiFi (ac) HP (2), WiFi above 2x2 HP (3), 802.11n 256 QAM, USB 3, Bluetooth, PCIe, AP 5K-10K DMIPS	Advanced LNE	8.73
<b>GT-AC2900</b>	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (3), 802.11n 256 QAM, USB 2, USB 3, PCIe (2), AP 5K-10K DMIPS	Advanced LNE	10.34
<b>GT-AC5300</b>	GigE LAN (9), WiFi (n) HP, WiFi (ac) HP (2), WiFi above 2x2 HP (6), 802.11n 256 QAM, USB 3 (2), PCIe (3), AP 5K-10K DMIPS	Advanced LNE	14.31
<b>GT-AX11000</b>	GigE LAN (6), WiFi (n) HP, WiFi (ac) HP (2), WiFi above 2x2 HP (6), 802.11n 256 QAM, USB 3 (2), PCIe (3), AP 5K-10K DMIPS	Advanced LNE	13.21
<b>RP-AC1900</b>	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (2), 802.11n 256 QAM, PCIe (2), AP 5K-10K DMIPS	Advanced LNE	9.04
<b>RP-AC55</b>	GigE LAN, WiFi (n) HP, WiFi (ac) HP, Bluetooth	Basic LNE	2.90
<b>RP-N12</b>	Fast Eth LAN, WiFi (n) LP	Advanced LNE	1.60
<b>RT-AC1200</b>	Fast Eth LAN (5), WiFi (n) LP, WiFi (ac) LP, USB 2	Advanced LNE	3.50
<b>RT-AC1200 V2</b>	Fast Eth LAN (5), WiFi (n) LP, WiFi (ac) LP	Advanced LNE	2.32
<b>RT-AC1200GE</b>	GigE LAN (5), WiFi (n) LP, WiFi (ac) HP, USB 2	Advanced LNE	4.86
<b>RT-AC3100</b>	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (4), 802.11n 256 QAM, USB 2, USB 3, PCIe (2), AP 5K-10K DMIPS	Advanced LNE	14.10
<b>RT-AC3200</b>	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP (2), WiFi above 2x2 HP (3), 802.11n 256 QAM, USB 2, USB 3, PCIe (3), AP 5K-10K DMIPS	Advanced LNE	12.94
<b>RT-AC5300</b>	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP (2), WiFi above 2x2 HP (6), 802.11n 256 QAM, USB 2, USB 3, PCIe (4), AP 5K-10K DMIPS	Advanced LNE	16.53
<b>RT-AC66U B1</b>	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (3), 802.11n 256 QAM, USB 2, USB 3, PCIe (2), AP 5K-10K DMIPS	Advanced LNE	9.49
<b>RT-AC68U</b>	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (3), 802.11n 256 QAM, USB 2, USB 3, PCIe (2), AP 5K-10K DMIPS	Advanced LNE	10.19

<b>RT-AC86U</b>	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (3), 802.11n 256 QAM, USB 2, USB 3, PCIe (2), AP 5K-10K DMIPS	Advanced LNE	10.72
<b>RT-AC88U</b>	GigE LAN (9), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (4), 802.11n 256 QAM, USB 2, USB 3, PCIe (2), AP 5K-10K DMIPS	Advanced LNE	15.80
<b>RT-ACRH12</b>	GigE LAN (5), WiFi (n) LP, WiFi (ac) HP, USB 2	Advanced LNE	4.86
<b>RT-ACRH13</b>	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, 802.11n 256 QAM, USB 3	Advanced LNE	4.50
<b>RT-ACRH17</b>	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (2), 802.11n 256 QAM, USB 3, PCIe, AP 5K-10K DMIPS	Advanced LNE	5.95
<b>RT-AX3000</b>	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (2), 802.11n 256 QAM, USB 3, PCIe, AP 5K-10K DMIPS	Advanced LNE	6.10
<b>RT-AX56U</b>	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, 802.11n 256 QAM, USB 2, USB 3, AP 5K-10K DMIPS	Advanced LNE	5.40
<b>RT-AX58U</b>	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (2), 802.11n 256 QAM, USB 3, PCIe, AP 5K-10K DMIPS	Advanced LNE	6.10
<b>RT-AX86U</b>	GigE LAN (6), WiFi (n) HP, WiFi (ac) HP (2), WiFi above 2x2 HP (3), 802.11n 256 QAM, USB 3 (2), PCIe (2), AP 5K-10K DMIPS	Advanced LNE	8.75
<b>RT-AX88U</b>	GigE LAN (9), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (4), 802.11n 256 QAM, USB 3 (2), PCIe (2), AP 5K-10K DMIPS	Advanced LNE	11.40
<b>RT-AX89X</b>	SFP Backup WAN Present, GigE LAN (10), WiFi (n) HP, WiFi (ac) HP (2), WiFi above 2x2 HP (6), 802.11n 256 QAM, USB 3 (2), AP 5K-10K DMIPS	Advanced LNE	12.00
<b>RT-AX92U</b>	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP (2), WiFi above 2x2 HP (2), 802.11n 256 QAM, USB 2, USB 3, PCIe (3), AP 5K-10K DMIPS	Advanced LNE	10.80
<b>RT-N12 D1</b>	Fast Eth LAN (5), WiFi (n) LP	Advanced LNE	2.49
<b>RT-N300 B1</b>	Fast Eth LAN (5), WiFi (n) LP	Advanced LNE	1.85
<b>XD4</b>	GigE LAN (2), WiFi (n) HP, WiFi (ac) HP, 802.11n 256 QAM, AP 5K-10K DMIPS	Advanced LNE	5.40
<b>XT8</b>	GigE LAN (4), WiFi (n) HP, WiFi (ac) HP (2), WiFi above 2x2 HP (2), 802.11n 256 QAM, USB 3, Bluetooth, PCIe, AP 5K-10K DMIPS	Advanced LNE	9.08
<b>GT-AXE11000</b>	GigE LAN (6), WiFi (n) HP, WiFi (ac) HP (2), WiFi above 2x2 HP (6), 802.11n 256 QAM, USB 3 (2), PCIe (3), AP 5K-10K DMIPS	Advanced LNE	13.60
<b>CMAX6000</b>	D3 above 4x4 (7), GigE LAN (4), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (4), 802.11n 256 QAM, PCIe (2)	IAD D3.1	12.67
<b>RP-AC51</b>	Fast Eth LAN, WiFi (n) HP, WiFi (ac) HP	Advanced LNE	2.51
<b>RT-N19</b>	Fast Eth LAN (3), WiFi (n) LP	Advanced LNE	2.48
<b>RT-AC1900P</b>	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (2), 802.11n 256 QAM, USB 2, USB 3, PCIe (2), AP 5K-10K DMIPS	Advanced LNE	11.90
<b>RT-AC67P</b>	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (2), 802.11n 256 QAM, USB 3	Advanced LNE	4.96
<b>RT-AC68U V3</b>	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (3), 802.11n 256 QAM, USB 2, USB 3, PCIe (2), AP 5K-10K	Advanced LNE	8.74

	DMIPS		
<b>RT-AX55</b>	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, 802.11n 256 QAM, AP 5K-10K DMIPS	Advanced LNE	5.00
<b>RT-AX68U</b>	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (3), 802.11n 256 QAM, USB 2, USB 3, PCIe (2), AP 5K-10K DMIPS	Advanced LNE	8.50
<b>RT-AX82U</b>	GigE LAN (5), WiFi (n) HP (2), WiFi (ac) HP, WiFi above 2x2 HP (2), 802.11n 256 QAM, USB 3, PCIe, AP 5K-10K DMIPS	Advanced LNE	6.50

## Base Type Key

Base Type	Description
<b>IAD D3.0</b>	Integrated Access Device with DOCSIS 3.0 WAN (4x4 configuration)
<b>IAD D3.1</b>	Integrated Access Device with DOCSIS 3.1 WAN (no FDX)
<b>Basic LNE</b>	Local Network Equipment (LNE) that does not include Advanced LNE features
<b>Advanced LNE</b>	Local Network Equipment (LNE) that incorporates multi-port routing, wireless access point, and/or VoIP functionality

## Feature Key

A product may have multiple instances of a feature listed in the table. In those cases, the number of allowance adders applicable to the product is shown in parenthesis.

Feature	Description
<b>D3.0 above 4x4</b>	DOCSIS 3.0 additional groups of 4 downstream channels
<b>GigE Backup WAN</b>	Gigabit Ethernet Backup WAN
<b>SFP Backup WAN</b>	SFP Backup WAN
<b>FastE LAN</b>	Fast Ethernet Port
<b>GigE LAN</b>	Gigabit Ethernet Port
<b>WiFi(n) LP</b>	Wi-Fi IEEE 802.11n radio at 2.4 GHz or at 5.0 GHz with a conducted output power less than 200 mW per chain (up to 2x2, i.e. 400 mW)
<b>WiFi(ac) LP</b>	Wi-Fi, IEEE 802.11ac radio at 5 GHz with a conducted output power less than 200 mW per chain (up to 2x2, i.e. 400 mW)
<b>WiFi above 2x2 LP</b>	Additional allowance per RF chain above a 2x2 MIMO configuration (e.g., for 3x3 and 4x4) with a conducted output power less than 200 mW per chain
<b>WiFi(n) HP</b>	Wi-Fi IEEE 802.11n radio at 2.4 GHz or at 5.0 GHz with a conducted output power greater than or equal to 200 mW per chain (up to 2x2, i.e. 400 mW)
<b>WiFi(ac) HP</b>	Wi-Fi, IEEE 802.11ac radio at 5 GHz with a conducted output power greater than or equal to 200 mW per chain (up to 2x2, i.e. 400 mW)
<b>WiFi above 2x2 HP</b>	Additional allowance per RF chain above a 2x2 MIMO configuration (e.g., for 3x3 and 4x4) with a conducted output power greater than 200 mW per chain
<b>802.11n 256 QAM</b>	Wi-Fi IEEE 802.11n at 2.4GHz supporting 256-QAM
<b>USB2</b>	USB 2.0
<b>USB3</b>	USB 3.0
<b>Bluetooth</b>	Bluetooth
<b>PCIe</b>	PCIe Interface
<b>AP 5K-10K DMIPS</b>	DMIPS of Application Processor > 5K DMIPS