

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)
Blue Cave	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (4), 802.11n 256 QAM, USB 3, Bluetooth, PCIe (2)	Advanced LNE	12.9
CM-32	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)	IAD D3.0	13.5
CT8	GigE LAN (4), WiFi (n) HP, WiFi (ac) HP (2), WiFi above 2x2 HP (3), 802.11n 256 QAM, USB 3, Bluetooth, PCIe	Advanced LNE	8.73
GT-AC2900	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (3), 802.11n 256 QAM, USB 2, USB 3, PCIe (2)	Advanced LNE	10.34
GT-AC5300	GigE LAN (9), WiFi (n) HP, WiFi (ac) HP (2), WiFi above 2x2 HP (6), 802.11n 256 QAM, USB 3 (2), PCIe (3)	Advanced LNE	14.31
GT-AX11000	GigE LAN (6), WiFi (n) HP, WiFi (ac) HP (2), WiFi above 2x2 HP (6), 802.11n 256 QAM, USB 3 (2), PCIe (3)	Advanced LNE	13.21
Lyra Voice	GigE LAN (2), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (2), 802.11n 256 QAM, Bluetooth, PCIe	Advanced LNE	7.4
RP-AC1900	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (3), 802.11n 256 QAM, USB 2, USB 3, PCIe (2)	Basic LNE	9.56
RP-AC55	GigE LAN, WiFi (n) HP, WiFi (ac) HP, Bluetooth	Basic LNE	2.9
RP-N12	Fast Eth LAN, WiFi (n) LP	Basic LNE	1.6
RT-AC1200	Fast Eth LAN (5), WiFi (n) LP, WiFi (ac) LP, USB 2	Advanced LNE	3.5
RT-AC1200 V2	Fast Eth LAN (5), WiFi (n) LP, WiFi (ac) LP	Advanced LNE	2.32
RT-AC1200GE	GigE LAN (5), WiFi (n) LP, WiFi (ac) HP, USB 2	Advanced LNE	4.86
RT-AC1750 B1	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (3), 802.11n 256 QAM, USB 2, USB 3, PCIe (2)	Advanced LNE	9.49
RT-AC3100	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (4), 802.11n 256 QAM, USB 2, USB 3, PCIe (2)	Advanced LNE	14.1
RT-AC3200	SFP Backup WAN Not Present, 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)	Advanced LNE	12.94
RT-AC5300	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)	Advanced LNE	16.53
RT-AC66U B1	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (3), 802.11n 256 QAM, USB 2, USB 3, PCIe (2)	Advanced LNE	9.49
RT-AC68U	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (3), 802.11n 256 QAM, USB 2, USB 3, PCIe (2)	Advanced LNE	10.19
RT-AC86U	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (3), 802.11n 256 QAM, USB 2, USB 3, PCIe (2)	Advanced LNE	10.72
RT-AC88U	GigE LAN (9), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (4), 802.11n 256 QAM, USB 2, USB 3, PCIe (2)	Advanced LNE	15.8
RT-ACRH12	GigE LAN (5), WiFi (n) LP, WiFi (ac) HP, USB 2	Advanced LNE	4.86
RT-ACRH13	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, 802.11n 256 QAM, USB 3	Advanced LNE	4.5
RT-ACRH17	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (2), 802.11n 256 QAM, USB 3, PCIe	Advanced LNE	5.95
RT-AX3000	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (2), 802.11n 256 QAM, USB 3, PCIe	Advanced LNE	6.1
RT-AX56U	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, 802.11n 256 QAM, USB 2, USB 3	Advanced LNE	5.4
RT-AX58U	GigE LAN (5), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (2), 802.11n 256 QAM, USB 3, PCIe	Advanced LNE	6.1

RT-AX86U	GigE LAN (6), WiFi (n) HP, WiFi (ac) HP (2), WiFi above 2x2 HP (3), 802.11n 256 QAM, USB 3 (2), PCIe (2)	Advanced LNE	8.75
RT-AX88U	GigE LAN (9), WiFi (n) HP, WiFi (ac) HP, WiFi above 2x2 HP (4), 802.11n 256 QAM, USB 3 (2), PCIe (2)	Advanced LNE	11.4
RT-AX89X	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)	Advanced LNE	12
RT-AX92U	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)	Advanced LNE	10.8
RT-N12 D1	Fast Eth LAN (5), WiFi (n) LP	Advanced LNE	2.49
RT-N300 B1	Fast Eth LAN (5), WiFi (n) LP	Advanced LNE	1.85
XD4	GigE LAN (2), WiFi (n) HP, WiFi (ac) HP, 802.11n 256 QAM	Advanced LNE	5.4
XG-U2008	GigE LAN (10)	Basic LNE	3.8
XT8	GigE LAN (4), WiFi (n) HP, WiFi (ac) HP (2), WiFi above 2x2 HP (2), 802.11n 256 QAM, USB 3, Bluetooth, PCIe	Advanced LNE	9.08

Base Type Key

Base Type	Description
IAD D3.0	Integrated Access Device with DOCSIS 3.0 WAN basic 4x4 configuration
Basic LNE	Local Network Equipment that does not include Advanced LNE features
Advanced LNE	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
D3.0 above 4x4	DOCSIS 3.0 additional groups of 4 downstream channels
GigE Backup WAN	Gigabit Ethernet Backup WAN
SFP Backup WAN	SFP Backup WAN
FastE LAN	Fast Ethernet Port
GigE LAN	Gigabit Ethernet Port
WiFi(n) LP	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)
WiFi(ac) LP	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)
WiFi above 2x2 LP	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
WiFi(n) HP	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)
WiFi(ac) HP	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)
WiFi above 2x2 HP	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
802.11n 256 QAM	Wi-Fi IEEE 802.11n at 2.4GHz supporting 256-QAM
USB2	USB 2.0
USB3	USB 3.0
Bluetooth	Bluetooth
PCIe	PCIe Interface