AT&T Residential Broadband Equipment Energy Information

AT&T is an active participant in the Industry Voluntary Agreement for Ongoing Improvement to the Energy Efficiency of Small Network Equipment (SNE). This Voluntary Agreement was established in June 2015 and covers Internet modems, routers, and other equipment that deliver broadband service to more than 90% of the residential broadband market. The SNE VA has been revised twice, with "Tier 2" efficiency levels becoming applicable to devices purchased since 2020 and more stringent "Tier 3" allowances which took effect for devices purchased since 2023. Additional information may be found at Energy Efficiency Voluntary Agreements.

AT&T is pleased to provide the following energy efficiency information for the various AT&T Internet devices that deliver broadband service. These devices are used in the different regions of the AT&T Internet network; a specific model may not be available in your geographic area. This information will be updated as new devices are made available.

Make	Model	Base Type	Idle Power (W)	Features
Arris	NVG510	IAD ADSL2	5.9	FastE LAN(4), WiFi(n) LP, FXS(2)
Arris	NVG589	IAD VDSL2	11.2	GigE Backup WAN, VDSL2 Simultaneous Additional WAN, GigE LAN(4), WiFi(n) LP, HPNA, FXS(2), USB2
Arris	NVG599	IAD VDSL2	18.1	GigE Backup WAN, VDSL2 Simultaneous Additional WAN, GigE LAN(4), WiFi(n) LP, WiFi(ac) LP, WiFi above 2x2 LP, HPNA, FXS(2), USB2, PCIe, external WiFi acceleration processor
Pace[1]	AT&T 5031NV	IAD VDSL2	7.9	FastE LAN(4), WiFi(n) LP, FXS(2), USB2
Pace[1]	AT&T 5168NV	IAD VDSL2	13	GigE Backup WAN, VDSL2 Simultaneous Additional WAN, GigE LAN(4), WiFi(n) LP, HPNA, FXS(2), USB2
Arris	AT&T 5268AC	IAD VDSL2	15.3	GigE Backup WAN, VDSL2 Simultaneous Additional WAN, GigE LAN(4), WiFi(n) LP, WiFi(ac) LP, WiFi above 2x2 LP(2), HPNA, FXS(2), USB2
Arris[3]	BGW210 -700	IAD VDSL2	14.4	GigE Backup WAN, VDSL2 Simul WAN, GigE LAN(4), 5 GHz Radio (20,40,80 MHz) LP, 5 GHz MIMO (20,40,80 MHz) above 2x2 LP, 2.4 GHz Radio HP, 2.4GHz MIMO above 2x2 HP(2), 802.11n 256 QAM, FXS(2), USB 2, PCIe, AP 5K-10K DMIPS
Humax[2,3]	BGW320 -500	IAD SFP	13.6	GigE Backup WAN, GigE LAN(4), 2.4 GHz Radio LP, 2.4GHZ MIMO above 2x2 LP(2), 5 GHz Radio (20,40,80 MHz) LP(2), 5 GHz MIMO (20,40,80 MHz) above 2x2 LP(4), 802.11n 256 QAM, FXS(2), USB 2, PCIe(3), AP 5K-10K DMIPS

Humax[2,3]	BGW320-500	IAD GigE	12.0	SFP Backup WAN Not Present, GigE LAN(4), 2.4 GHz Radio LP, 2.4GHZ MIMO above 2x2 LP(2), 5 GHz Radio (20,40,80 MHz) LP(2), 5 GHz MIMO (20,40,80 MHz) above 2x2 LP(4), 802.11n 256 QAM, FXS(2), USB 2, PCIe(3), AP 5K-10K DMIPS
Nokia[2,3]	BGW320-505	IAD SFP	12.6	GigE Backup WAN, GigE LAN(4), 2.4 GHz Radio LP, 2.4GHZ MIMO above 2x2 LP(2), 5 GHz Radio (20,40,80 MHz) LP(2), 5 GHz MIMO (20,40,80 MHz) above 2x2 LP(4), 802.11n 256 QAM, FXS(2), USB 2, PCIe(3), AP 5K-10K DMIPS
Nokia[2,3]	BGW320-505	IAD GigE	10.7	SFP Backup WAN Not Present, GigE LAN(4), 2.4 GHz Radio LP, 2.4GHZ MIMO above 2x2 LP(2), 5 GHz Radio (20,40,80 MHz) LP(2), 5 GHz MIMO (20,40,80 MHz) above 2x2 LP(4), 802.11n 256 QAM, FXS(2), USB 2, PCIe(3), AP 5K-10K DMIPS
Airties	4920 WiFi Extender	Advanced LNE	7.7	GigE LAN(2), WiFi(n) LP, WiFi(ac) HP, WiFi above 2x2 HP, PCIe(2)
Airties	4921 WiFi Extender	Advanced LNE	7.7	GigE LAN(2), WiFi(n) LP, WiFi(ac) HP, WiFi above 2x2 HP, PCIe(2)
Airties	4971 WiFi Extender	Advanced LNE	7.2	GigE LAN(2), 2.4 GHz Radio LP, 5 GHz Radio (20,40,80 MHz) HP, 5 GHz MIMO (20,40,80 MHz) above 2x2 HP, PCIe(2)
Airties	4981 WiFi Extender	Advanced LNE	6.4	GigE LAN, 2.5 GigE LAN, 2.4 GHz Radio LP, 5 GHz Radio (20,40,80 MHz) HP, 5 GHz MIMO (20,40,80 MHz) above 2x2 HP, PCIe(2)

1 All measurements per CEA-2049 standard with the exception of Pace measurements which were performed per ENERGY STAR Small Network Equipment test procedure.
2. BGW320 operates as an IAD SFP when an SFP module (included in the as-shipped package) is installed, otherwise BGW320 operates as an IAD GigE.
3. Complies with in-effect Tier 3: other models are no longer being purchased.

BASE TYPE KEY

IAD ADSL2	Integrated Access Device with ADSL2plus
IAD VDSL2	Integrated Access Device with VDSL2
IAD SFP	Integrated Access Device with SFP (100BaseLX/SX or GPON)
IAD GigE	Integrated Access Device with Gigabit Ethernet WAN
Advanced LNE	Local Network Equipment that incorporates multi-port routing, wireless access point, and/or VoIP functionality

FEATURE KEY[1]

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[2]	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[2]	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[2]	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[2]	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[2]	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[2]	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
HPNA	Home Phoneline Networking Alliance
MoCA	Multimedia over Coax Alliance 1.1/2.0
FXS	Foreign eXchange Subscriber (phone ports)
DECT	Digital Enhanced Cordless Telecommunications
USB2	USB 2.0
USB3	USB 3.0
SATA	Serial ATA

BATTERY	Back-up battery
Bluetooth	Bluetooth
ZigBee	ZigBee
Z-wave	Z-wave
PCIe	PCIe Interface
AP>5K DMIPS	Application Processor > 5K DMIPS

1. A feature listed in the table at top with a number following it indicates the number of ports or interfaces of that type supported by the device. For example, GigE LAN(4) indicates the device has four GigE LAN ports. If a number is not provided, it defaults to (1).
2. These WiFi feature definitions are used solely for Tier 2 models. WiFi feature definitions for Tier 3 models are listed in Table 4 of the SNE Voluntary Agreement (see Energy Efficiency Voluntary Agreements).