



Energy usage of your internet equipment

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The chart below provides information about the energy efficiency of Small Network Equipment (SNE) models, such as internet modems and routers, that have been purchased or sold through to customers by Comcast since January 1, 2015 for use with its residential broadband internet access service.

As part of our commitment to sustainability, we provide regular updates to [CableLabs](#) regarding the energy usage data for all SNE models currently available to our customers. This chart is based on that information and is updated quarterly. Some listed models may no longer be available and/or may not be available in all areas.

For the most current version, visit [CableLabs Energy Reporting for SNE](#).

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Small network equipment energy usage data

The power measurements below represent the SNE devices generally configured as they're deployed in Comcast's network, running Comcast software and measured in accordance with the test procedures as specified in the [Voluntary Agreement](#).

The energy use of an individual SNE device may vary.

Manufacturer	Model	Base type	Features	Ready state power (W)
Arris	TG1682G	IAD D3.0	D3.0 above 4x4(5), GigE LAN(4), WiFi(n) HP, WiFi(ac) HP, WiFi above 2x2 HP(2), MoCA, FXS(2), USB2(2)	20.00
Arris	TG1682G P3	IAD D3.0	D3.0 above 4x4(5), GigE LAN(4), WiFi(n) HP, WiFi(ac) HP, WiFi above 2x2 HP(2), MoCA, FXS(2), USB2(2)	16.00
Arris	TG3482G	IAD D3.1	GigE LAN(2), WiFi(n) LP, WiFi(ac) LP, WiFi above 2x2 LP(6), 802.11n 256 QAM, MoCA, FXS(2), Bluetooth, Zigbee, Z-wave, PCIe(2), AP 5K-10K DMIPS	27.40
Arris	TG3482G P2	IAD D3.1	GigE LAN(2), WiFi(n) LP, WiFi(ac) LP, WiFi above 2x2 LP(6), 802.11n 256 QAM, MoCA, FXS(2), Bluetooth, Zigbee, Z-wave, PCIe(2), AP 5K-10K DMIPS	25.50
Arris	TG862	IAD D3.0	D3.0 above 4x4, GigE LAN(4), WiFi(n) LP,	9.00

Manufacturer	Model	Base type	Features	Ready state power (W)
			FXS(2), USB2	
Arris	X5001	IAD 10G EPON	GigE LAN(4), WiFi(n) LP, WiFi(ac) LP, WiFi above 2x2 LP(2), MoCA, FXS(2), USB2, PCIe(2)	20.50
Cisco	DPC3939	IAD D3.0	D3.0 above 4x4(3), GigE LAN(4), WiFi(n) LP(2), WiFi above 2x2 LP(2), MoCA, FXS(2), USB2(2), PCIe(2)	18.00
Cisco	DPC3941T	IAD D3.0	D3.0 above 4x4(5), GigE LAN(4), WiFi(n) LP, WiFi(ac) LP, WiFi above 2x2 LP(2), MoCA, FXS(2), USB2(2), PCIe(2)	20.50
Cisco	DPC3941Tv2	IAD D3.0	D3.0 above 4x4(5), GigE LAN(4), WiFi(n) LP, WiFi(ac) LP, WiFi above 2x2 LP(2), 256QAM, MoCA, FXS(2), USB2(2), PCIe(2)	20.00
CommScope	TG4482A	IAD D3.1	GigE LAN(4), WiFi(n) HP, WiFi(ac) HP, WiFi above 2x2 HP(4), 802.11n 256 QAM, MoCA, FXS(2), Bluetooth, ZigBee, PCIe(2), AP 5K-10K DMIPS	23.60
Netgear	R6300v2	IAD GigE	GigE LAN(4), WiFi(n) HP, WiFi(ac) HP, WiFi above 2x2(2), 802.11n 256 QAM, USB2, USB3, PCIe(2)	10.50
Netgear	WN3000RP	Basic LNE	FastE LAN, WiFi(n) LP	2.00
Sagemcom	XE1 A1A	Basic LNE	GigE LAN, WiFi(n) LP, WiFi(ac) LP, Bluetooth	3.50
Sagemcom	XE2 B1A	Basic LNE	GigE LAN(2), WiFi(n) LP, WiFi(ac) LP(2), WiFi above 2x2 LP(2), 802.11n 256 QAM, Bluetooth, PCIe(3)	6.50
Sagemcom	XE2 B3A	Basic LNE	GigE LAN(2), WiFi(n) LP, WiFi(ac) LP(2), WiFi above 2x2 LP(2), 802.11n	6.50

Manufacturer	Model	Base type	Features	Ready state power (W)
			256 QAM, Bluetooth, PCIe(3)	
Technicolor	CGM4140COM	IAD D3.1	GigE LAN(2), WiFi(n) LP, WiFi(ac) LP, WiFi above 2x2 LP(6), 802.11n 256 QAM, MoCA, FXS(2), Bluetooth, Zigbee, Z-wave, PCIe(2), AP 5K-10K DMIPS	24.00
Technicolor	TC4400	Basic D3.1	GigE LAN(2)	11.00
Technicolor	TC8305C	IAD D3.0	D3.0 above 4x4, GigE LAN(4), WiFi(n) HP, WiFi above 2x2 HP, FXS(2), USB2	10.00
Technicolor	TC8717CV1	IAD D3.0	D3.0 above 4x4(3), GigE LAN(4), WiFi(n) HP, WiFi(ac) HP, WiFi above 2x2 HP(2), MoCA, FXS(2), USB2(2)	17.00
Vantiva (Technicolor)	CGM4331COM	IAD D3.1	GigE LAN(4), WiFi(n) HP, WiFi(ac) HP, WiFi above 2x2 HP(4), 802.11n 256 QAM, MoCA, FXS(2), Bluetooth, ZigBee, PCIe(2), AP 5K-10K DMIPS	17.00
Vantiva (Technicolor)	CGM4981COM	IAD D3.1	GigE LAN(4), WiFi(ac) LP, WiFi above 2x2 LP(2), WiFi(n) HP, WiFi(ac) HP, WiFi above 2x2 HP(4), 802.11n 256 QAM, FXS(2), USB2, Bluetooth, Zigbee, PCIe(2), AP 5K-10K DMIPS	18.00
Vantiva	CVA601ZCOM	IAD D3.1	10 GigE LAN Connected, 10 GigE LAN, FXS(2)	16.5
WNC	XLE WNXL11BWL	Advanced LNE	GigE LAN(2), WiFi(n) LP, WiFi(ac) LP(2), WiFi above 2x2 LP(2), 802.11n 256 QAM, Battery, Bluetooth, PCIe(3)	8.70

BASE TYPE KEY

Shortcut	Base type
Advanced LNE	Local Network Equipment (LNE) that incorporates multi-port routing, wireless access point, and/or VoIP functionality
Basic 10G EPON	10G EPON basic modem

Shortcut	Base type
Basic D3.0	DOCSIS 3.0 basic configuration (4x4)
Basic D3.1	DOCSIS 3.1 basic modem (no FDX)
Basic LNE	Local Network Equipment that does not include Advanced LNE features
IAD 10G EPON	Integrated Access Device with 10G EPON WAN interface
IAD D3.0	Integrated Access Device with DOCSIS 3.0 WAN basic 4x4 configuration
IAD D3.1	Integrated Access Device with DOCSIS 3.1 (no FDX)
IAD GigE	Integrated Access Device with Gigabit Ethernet WAN
IAD SFP GPON	Integrated Access Device with GPON SFP WAN interface

Note: A feature listed in the table above 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 isn't provided, it defaults to (1).

FEATURE KEY

Shortcut	Feature name
802.11n 256 QAM	Wi-Fi IEEE 802.11n at 2.4GHz supporting 256-QAM
AP 5K-10K DMIPS	Application Processor 5K-10K DMIPS
BATTERY	Back-up battery
Bluetooth	Bluetooth
D3.0 above 4x4	DOCSIS 3.0 additional groups of 4 downstream channels
DECT	Digital Enhanced Cordless Telecommunications
FastE LAN	Fast Ethernet Port
FXS	Foreign eXchange Subscriber (phone ports)
GigE Backup WAN	Gigabit Ethernet Backup WAN
GigE LAN	Gigabit Ethernet Port
HPNA	Home Phoneline Networking Alliance
MoCA	Multimedia over Coax Alliance 1.1/2.0
PCIe	PCIe Interface
SATA	Serial ATA
SFP Backup WAN	SFP Backup WAN
USB2	USB 2.0
USB3	USB 3.0
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
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(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(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(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(n) LP	Wi-Fi IEEE 802.11n radio at 2.4 GHz or at 5.0 GHz with a conducted output power less than

Shortcut	Feature name
	200 mW per chain (up to 2x2, i.e. 400 mW)
ZigBee	ZigBee
Z-wave	Z-wave

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