TELUS SNE ENERGY INFORMATION

This site provides information about the energy efficiency of Small Network Equipment (SNE) models, such as Internet modems and routers, that have been purchased by TELUS since January 1, 2024, for use with its residential broadband internet access service. This site will be updated as TELUS makes new devices available to its customers. Some listed models may no longer be available and/or may not be available in all areas. The power measurements herein represent the SNE devices generally configured as they are deployed in TELUS networks and measured in accordance with the test procedures as specified in CEEVA SNE. The energy use of an individual SNE device may vary.

Manufacturer	Model Name	Model Number (Config)	Base Type	Features	Reported Power (Watts)
TP-Link	TL-SG105	TL-SG105	Basic LNE	GigE LAN(5)	1.80
Nokia	G-240G	G-240G	IAD Fiber WAN	GigE LAN, FXS(2)	4.00
Nokia	XS-250X	XS-250X-A	IAD Fiber WAN	10 GigE LAN Active, FXS(2)	8.50
Technicolor	Network Access Hub	FXA5000TLU (XGS PON)	IAD 10GB PON	GigE LAN(4), 10 GigE LAN Active, MoCA, FXS(2), USB 3, AP 5K-10K DMIPS	9.00
Technicolor	Network Access Hub	FXA5000TLU (GPON)	IAD SFP GPON	GigE LAN(4), 10 GigE LAN Active, MoCA, FXS(2), USB 3, AP 5K-10K DMIPS	10.00
Technicolor	Network Access Hub	FXA5000TLU (10 GigE)	IAD 10 GigE	GigE LAN(4), MoCA, FXS(2), USB 3, AP 5K-10K DMIPS	8.00
Arcadyan	Network Access Hub	NH20T (XGS PON)	IAD 10GB PON	GigE LAN(4), 10 GigE LAN Active, MoCA, FXS(2), USB 3, AP 5K-10K DMIPS	9.00
Arcadyan	Network Access Hub	NH20T (GPON)	IAD SFP GPON	GigE LAN(4), 10 GigE LAN Active, MoCA, FXS(2), USB 3, AP 5K-10K DMIPS	10.20
Arcadyan	Network Access Hub	NH20T (10 GigE)	IAD 10 GigE	GigE LAN(4), MoCA, FXS(2), USB 3, AP 5K-10K DMIPS	8.00
Technicolor	Boost 2.0	EWH1350TLU	Advanced LNE	GigE LAN(2), 2.5 GigE LAN Active, 2.4 GHz Radio HP, 5 GHz Radio (160 MHz) HP(2), 5 GHz MIMO (160 MHz) above 2x2 HP(4), MoCA, Bluetooth, Z-wave, PCIe Gen 3 Base(3), AP 5K-10K DMIPs	12.00

Manufacturer	Model Name	Model Number (Config)	Base Type	Features	Reported Power (Watts)
Vantiva	Boost 2.5	EWA222TTLU	Advanced LNE	GigE LAN, 2.5 GigE LAN Active, 5 GigE LAN Active, 2.4 GHz Radio HP, 2.4 GHz MIMO above 2x2 HP(2), 5 GHz Radio (160 MHz) HP, 5 GHz MIMO (160 MHz) above 2x2 HP(2), 6 GHz Radio (160 MHz) HP, 6 GHz MIMO (160 MHz) above 2x2 HP(2), MoCA, Bluetooth, Z-wave, PCIe Gen 3 Base(2), AP 5K-10K DMIPs	14.00
Arcadyan	Boost 2.1	B21A	Advanced LNE	GigE LAN(2), 2.5 GigE LAN Active, 2.4 GHz Radio HP, 2.4 GHz MIMO above 2x2 HP(2), 5 GHz Radio (160 MHz) HP(2), 5 GHz MIMO (160 MHz) above 2x2 HP(4), MoCA, Bluetooth, Z-wave, 802.15.4, PCIe Gen 3 Base(3), AP 5K-10K DMIPs	12.00
Arcadyan	Boost 2.1 Routed Mode	B21A (Routed)	IAD 2.5 GigE	GigE LAN(2), 2.4 GHz Radio HP, 2.4 GHz MIMO above 2x2 HP(2), 5 GHz Radio (160 MHz) HP(2), 5 GHz MIMO (160 MHz) above 2x2 HP(4), Bluetooth, Z-wave, 802.15.4, PCIe Gen 3 Base(3), AP 5K-10K DMIPs	11.50
Arcadyan	Boost Mini	B6EMA	Advanced LNE	2.5 GigE LAN Active, 2.4 GHz Radio HP, 2.4 GHz MIMO above 2x2 HP(2), 5 GHz Radio (160 MHz) HP, 5 GHz MIMO (160 MHz) above 2x2 HP(2), 6 GHz Radio (160 MHz) HP, 6 GHz MIMO (160 MHz) above 2x2 HP(2), Bluetooth, 802.15.4, PCIe Gen 3 Base(2)	9.30
Arcadyan	TELUS Wi-Fi Hub (XGS PON)	TELUS Wi-Fi Hub (XGS PON)	IAD 10GB PON	GigE LAN(4), 2.4 GHz Radio HP, 2.4 GHz MIMO above 2x2 HP(2), 5 GHz Radio HP(2), 5 GHz MIMO above 2x2 HP(4), MoCA, FXS(2), USB 3, PCIe Gen 3 Base(3), AP 5K-10K DMIPs, AP Addl. Over 10K DMIPS	16.60
Arcadyan	TELUS Wi-Fi Hub (GPON)	TELUS Wi-Fi Hub (GPON)	IAD SFP GPON	GigE LAN(4), 2.4 GHz Radio HP, 2.4 GHz MIMO above 2x2 HP(2), 5 GHz HP(2), 5 GHz MIMO above 2x2 HP(4), MoCA, FXS(2), USB 3, PCIe Gen 3 Base(3), AP 5K-10K DMIPs, AP Addl. Over 10K DMIPS	18.00
Arcadyan	TELUS Wi-Fi Hub (GigE)	TELUS Wi-Fi Hub (GigE)	IAD GigE	GigE LAN(3), 2.4 GHz Radio HP, 2.4 GHz MIMO above 2x2 HP(2), 5 GHz Radio HP(2), 5 GHz MIMO above 2x2 HP(4), MoCA, FXS(2), USB 3, PCIe Gen 3 Base(3), AP 5K-10K DMIPs, AP Addl. Over 10K DMIPS	16.00

Base Type Key

Shortcut	Base Type
IAD Fiber WAN	On-board Fiber WAN (without SFP)
IAD 10 GigE	Integrated Access Device with 10 Gigabit Ethernet WAN
IAD SFP GPON	Integrated Access Device with GPON SFP WAN interface
IAD 10 GB PON	10GB PON WAN (with SFP)
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

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 is not provided, it defaults to (1).

Shortcut	Feature Name
GigE LAN	Gigabit Ethernet Port
2.5 GigE LAN Active	2.5 Gigabit Ethernet port connected during test (active link)
2.5 GigE LAN	2.5 Gigabit Ethernet port not connected
5 GigE LAN Active	5 Gigabit Ethernet port connected during test (active link)
5 GigE LAN	5 Gigabit Ethernet port not connected
10 GigE LAN Active	10 Gigabit Ethernet port connected during test (active link)
10 GigE LAN	10 Gigabit Ethernet port not connected
2.4 GHz Radio HP	Wi-Fi 2.4 GHz radio with a conducted output power of greater than or equal to 200 mW per chain up to 2x2
2.4 GHz MIMO above 2x2 HP	Additional allowance per RF chain above 2x2 MIMO at 2.4 GHz with a conducted output power of greater than or equal to 200 mW per chain
5 GHz Radio HP	Wi-Fi 5 GHz radio up to 80 MHz channel bandwidth with a conducted output power of greater than or equal to 200 mW per chain up to 2x2
5 GHz MIMO above 2x2 HP	Additional allowance per RF chain above 2x2 MIMO at 5 GHz up to 80 MHz channel bandwidth with a conducted output power of greater than or equal to 200 mW per chain
5 GHz Radio (160 MHz) HP	Wi-Fi 5 GHz radio at 160 MHz channel bandwidth with a conducted output power of greater than or equal to 200 mW per chain up to 2x2
5 GHz MIMO (160 MHz) above 2x2 HP	Additional allowance per RF chain above 2x2 MIMO at 5 GHz at 160 MHz channel bandwidth with a conducted output power of greater than or equal to 200 mW per chain
6 GHz Radio (160 MHz) HP	Wi-Fi 6 GHz radio at 160 MHz channel bandwidth with a conducted output power of greater than or equal to 200 mW per chain up to 2x2
6 GHz MIMO (160 MHz) above 2x2 HP	Additional allowance per RF chain above 2x2 MIMO at 6 GHz at 160 MHz channel bandwidth with a conducted output power of greater than or equal to 200 mW per chain
802.11n 256 QAM	Wi-Fi IEEE 802.11n at 2.4GHz supporting 256-QAM
MoCA	Multimedia over Coax Alliance 1.1/2.0

Shortcut	Feature Name
FXS	Foreign eXchange Subscriber (phone ports)
USB3	USB 3.0
Bluetooth	Bluetooth
Z-wave	Z-wave
802.15.4	802.15.4 for ZigBee, Thread, etc.
PCIe Gen 1 & 2 Base	PCIe Interface Gen 1 & 2 Base (includes first lane)
PCIe Gen 1 & 2 Addl Lane	PCIe Gen 1 & 2 Additional Lane
PCIe Gen 3 Base	PCIe Interface Gen 3 Base (includes first lane)
PCIe Gen 3 Addl Lane	PCIe Gen 3 Additional Lane
AP 5K-10K DMIPS	Application Processor 5K-10K DMIPS
AP Addl. Over 10K DMIPS	Application Processor > 10K DMIPS (for every addl. 5K DMIPS)