

## ARRIS BRAND SNE PRODUCT ENERGY EFFICIENCY

March 31, 2020

This document provides information about the energy efficiency of ARRIS brand Small Network Equipment (SNE) models sold by CommScope through retail channels since January 1, 2015. This information will be updated as CommScope makes new devices available. Some listed models may no longer be available and/or may not be available in all areas. The power measurements herein represent SNE devices generally configured and measured in accordance with the test procedures as specified in the Voluntary Agreement. The energy use of an individual SNE device may vary. Idle power may vary when connected to a Service Provider network.

For more information about the Voluntary Agreement, including energy efficiency information for a product supplied by a Service Provider, please refer to: <https://www.energy-efficiency.us/>

Model Number	Base Type	Additional Features	Idle Power (Watts)
SB6121	Basic D3.0	GigE LAN	6.64
SB6141	Basic D3.0	D3 above 4x4, GigE LAN	5.45
SB6183	Basic D3.0	D3 above 4x4(3), GigE LAN	8.45
SB6190	Basic D3.0	D3 above 4x4(7), GigE LAN	8.6
SB8200	Basic D3.1	GigE LAN(2)	10.8
SBG10	IAD D3.0	D3 above 4x4(3), GigE LAN(2), Wi-Fi(n) LP, Wi-Fi(ac) LP, Wi-Fi above 2x2 LP	10.6
SBG6400	IAD D3.0	D3 above 4x4, GigE LAN(2), Wi-Fi(n) LP, USB2	8.0
SBG6580	IAD D3.0	D3 above 4x4, GigE LAN(4), Wi-Fi(n) LP	11.5
SBG6580-2	IAD D3.0	D3 above 4x4, GigE LAN(4), Wi-Fi(n) LP	7.8
SBG6700-AC	IAD D3.0	D3 above 4x4, GigE LAN(2), Wi-Fi(n) LP, Wi-Fi(ac) LP, Wi-Fi above 2x2 LP	10.0
SBG6782-AC	IAD D3.0	D3 above 4x4, GigE LAN(4), Wi-Fi(n) LP, Wi-Fi(ac) LP, Wi-Fi above 2x2 LP, MoCA	13.2
SBG6900-AC	IAD D3.0	D3 above 4x4(3), GigE LAN(4), Wi-Fi(n) LP, Wi-Fi(ac) LP, Wi-Fi above 2x2 LP(2), USB2(2)	14.1
SBG6950AC2	IAD D3.0	D3 above 4x4(3), GigE LAN(4), Wi-Fi(n) LP, Wi-Fi(ac) LP, Wi-Fi above 2x2 LP(2), USB2	11.1
SBG7400AC2	IAD D3.0	D3 above 4x4(5), GigE LAN(4), Wi-Fi(n) LP, Wi-Fi(ac) LP, Wi-Fi above 2x2 LP(3), USB2	13.2
SBG7580-AC	IAD D3.0	D3 above 4x4(7), GigE LAN(4), Wi-Fi(n) LP, Wi-Fi(ac) LP, Wi-Fi above 2x2 LP(2), USB2	14.0

Model Number	Base Type	Additional Features	Idle Power (Watts)
SBG7600AC2	IAD D3.0	D3 above 4x4(7), GigE LAN(4), Wi-Fi(n) LP, Wi-Fi(ac) LP, Wi-Fi above 2x2 LP(3), USB2, PCIe(2), AP	14.2
SBG8300	IAD D3.1	GigE LAN(4), Wi-Fi(ac) LP, Wi-Fi above 2x2 LP(2), Wi-Fi(n) HP, Wi-Fi above 2x2 HP, AP	18.2
SBR-AC1200P	Adv. LNE	FastE LAN(4), GigE LAN, Wi-Fi(n) LP, Wi-Fi(ac) LP, G.hn, USB2, PCIe	9.5
SBR-AC1750	Adv. LNE	GigE LAN(5), Wi-Fi(n) LP, Wi-Fi(ac) LP, Wi-Fi above 2x2 LP(2), USB2	5.25
SBR-AC1900P	Adv. LNE	GigE LAN(5), Wi-Fi(n) LP, Wi-Fi(ac) LP, Wi-Fi above 2x2 LP(2), 802.11n 256 QAM, G.hn, USB2, USB3, PCIe(2)	11.9
SBR-AC3200P	Adv. LNE	GigE LAN(5), Wi-Fi(n) LP, Wi-Fi(ac) LP(2), Wi-Fi above 2x2 LP(3), 802.11n 256 QAM, G.hn, USB2, USB3, PCIe(4)	15.0
SBV2402	IAD D3.0	D3 above 4x4(5), GigE LAN, FXS(2)	7.8
SBV3202	IAD D3.0	D3 above 4x4(7), GigE LAN, FXS(2)	9.2
SBX-1000P	Basic LNE	GigE LAN, G.hn	3.7
SBX-AC1200P	Adv. LNE	GigE LAN, Wi-Fi(n) LP, Wi-Fi(ac) LP, G.hn, PCIe	7.4
SVG2482AC	IAD D3.0	D3 above 4x4(5), GigE LAN(4), Wi-Fi(n) LP, Wi-Fi above 2x2 LP, Wi-Fi(ac) HP, Wi-Fi above 2x2 HP, MoCA, FXS(2), USB2(2)	14.3
T25	Basic D3.1	GigE LAN(2), FXS(2)	9.4
TG862G	IAD D3.0	D3 above 4x4, GigE LAN(4), Wi-Fi(n) LP, FXS(2), USB2	8.4
TG862R	IAD D3.0	D3 above 4x4, GigE LAN(4), Wi-Fi(n) LP, FXS(2), USB2	8.4
TM822G	IAD D3.0	D3 above 4x4, GigE LAN, FXS(2)	5.7
TM822R	IAD D3.0	D3 above 4x4, GigE LAN, FXS(2)	5.7
TM1602AP2	IAD D3.0	D3 above 4x4(3), GigE LAN, FXS(2)	8.0
TM1602G	IAD D3.0	D3 above 4x4(3), GigE LAN, FXS(2)	9.1
W30	Adv. LNE	GigE LAN(4), Wi-Fi(n) HP, Wi-Fi(ac) HP(2), Wi-Fi above 2x2 HP(2), PCIe(3)	10.8
W31	Adv. LNE	GigE LAN(4), Wi-Fi(n) HP, Wi-Fi(ac) HP(2), Wi-Fi above 2x2 HP(6), PCIe(3)	11.0
WR2100	Basic LNE	FastE LAN, Wi-Fi(n) LP	2.8

**BASE TYPE LEGEND:**

<b>Name</b>	<b>Description</b>
IAD D3.0	Integrated Access Device with DOCSIS 3.0 WAN (4x4 configuration)
IAD D3.1	Integrated Access Device with DOCSIS 3.1 WAN (no FDX)
IAD GigE	Integrated Access Device with Gigabit Ethernet WAN
Basic D3.0	Broadband Modem with DOCSIS 3.0 WAN (4x4 configuration)
Basic D3.1	Broadband Modem with DOCSIS 3.1 WAN (no FDX)
Basic LNE	Basic Local Network Equipment without IAD functionality
Adv. LNE	Advanced Local Network Equipment with IAD functionality

**ADDITIONAL FEATURES LEGEND:**

<b>Name</b>	<b>Description</b>
D3 above 4x4	DOCSIS 3.0 groups of 4 downstream channels, above 4x4
FastE LAN	Fast Ethernet LAN port
GigE LAN	Gigabit Ethernet LAN port
Wi-Fi(n) LP	Wi-Fi 802.11n 2.4GHz or 5GHz radio, up to 2x2 MIMO, conducted output power less than 200mW per chain
Wi-Fi(ac) LP	Wi-Fi 802.11ac 5GHz radio, up to 2x2 MIMO, conducted output power less than 200mW per chain
Wi-Fi above 2x2 LP	Additional RF chains above 2x2 MIMO (less than 200mW)
Wi-Fi(n) HP	Wi-Fi 802.11n 2.4GHz or 5GHz radio, up to 2x2 MIMO, conducted output power of 200mW or greater per chain
Wi-Fi(ac) HP	Wi-Fi 802.11ac 5GHz radio, up to 2x2 MIMO, conducted output power of 200mW or greater per chain
Wi-Fi above 2x2 HP	Additional RF chains above 2x2 MIMO (200mW or greater)
802.11n 256 QAM	Wi-Fi 802.11n at 2.4GHz supporting 256-QAM
G.hn	Gigabit Home Networking (Power Line Communications)
MoCA	Media over Coaxial Cable, version 1.1 or 2.0
FXS	Foreign eXchange Subscriber (analog phone port)
USB2	USB 2.0 port (no load connected)
USB3	USB 3.0 port (no load connected)
Battery	Back-up battery (if installed)
PCIe	PCIe Interface (connected internally)
AP	Application Processor (5-10K DMIPS)

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

---

## PRODUCT TYPE DEFINITIONS:

**Broadband Modem:** A simple network device that enables high speed data service with a WAN (Wide Area Network) interface to a service provider wired or optical network, and typically a single LAN (Local Area Network) interface for the customer premise network. The Broadband Modem category does not include devices with integrated router or IEEE 802.11 (Wi-Fi) wireless access point functionality.

**Integrated Access Device (IAD):** A network device that enables high speed data service with a WAN (Wide Area Network) interface to a service provider wired or optical network, and one or more of the following functions on the LAN (Local Area Network) interface: multiport routing, IEEE 802.11 (Wi-Fi) wireless access point functionality, and/or VoIP (Voice over Internet Protocol).

**Local Network Equipment (LNE):** A network device that does not have a direct interface to a service provider wired or optical network. This category can be further divided as follows:

**Basic LNE:** A simple local network device that does not include additional routing functionality. Examples include switches and network extenders.

**Advanced LNE:** A local network device that includes advanced functions such as multi-point routing, wireless access point, and/or VoIP.