

## ARRIS SNE Product Energy Efficiency

June 30, 2016

The Voluntary Agreement for Ongoing Improvement to the Energy Efficiency of Small Network Equipment (VA SNE) was released by the Consumer Technology Association (CTA) and National Cable & Telecommunications Association (NCTA) in June 2015. As a signatory of this agreement, ARRIS has agreed to provide the following energy efficiency information for products sold through retail channels. For further details on how to use this information, please refer to VA SNE document<sup>1</sup>.

Model Number	Base Type	Additional Features	Idle Power* (Watts)
SB6121	Basic D3	GigE LAN	6.64
SB6141	Basic D3	D3 above 4x4, GigE LAN	5.45
SB6183	Basic D3	D3 above 4x4(3), GigE LAN	8.45
SB6190	Basic D3	D3 above 4x4(7), GigE LAN	8.60
SBG6400	IAD D3	D3 above 4x4, GigE LAN(2), WiFi(n) LP, USB2	8.00
SBG6580	IAD D3	D3 above 4x4, GigE LAN(4), WiFi(n) LP	11.44
SBG6700-AC	IAD D3	D3 above 4x4, GigE LAN(2), WiFi(n) LP, WiFi(ac) LP, WiFi above 2x2 LP	10.00
SBG6782-AC	IAD D3	D3 above 4x4, GigE LAN(4), WiFi(n) LP, WiFi(ac) LP, WiFi above 2x2 LP, MoCA	13.20
SBG6900-AC	IAD D3	D3 above 4x4(3), GigE LAN(4), WiFi(n) LP, WiFi(ac) LP, WiFi above 2x2 LP(2), USB2(2)	14.10
SBR-AC1200P	IAD GigE	FastE LAN(4), WiFi(n) LP, WiFi(ac) LP, USB2, PCIe, G.hn	9.50
SBR-AC1750	IAD GigE	GigE LAN(4), WiFi(n) LP, WiFi(ac) LP, WiFi above 2x2 LP(2), USB2	5.25
SBR-AC1900P	IAD GigE	GigE LAN(4), WiFi(n) LP, WiFi(ac) LP, WiFi above 2x2 LP(2), 802.11n 256 QAM, USB2, USB3, PCIe(2), G.hn	11.90
SBR-AC3200P	IAD GigE	GigE LAN(4), WiFi(n) LP, WiFi(ac) LP(2), WiFi above 2x2 LP(3), 802.11n 256 QAM, USB2, USB3, PCIe(4), G.hn	15.00
SBX-1000P	Basic LNE	GigE LAN, G.hn	3.70
SBX-AC1200P	Basic LNE	GigE LAN, WiFi(n) LP, WiFi(ac) LP, PCIe, G.hn	7.40
TG862G	IAD D3	D3 above 4x4, GigE LAN(4), WiFi(n) LP, FXS(2), USB2	8.40
TM804G	IAD D3	D3 above 4x4, GigE LAN, FXS(2)	6.30
TM822G	IAD D3	D3 above 4x4, GigE LAN, FXS(2)	5.70
TM1602A	IAD D3	D3 above 4x4(5), GigE LAN, FXS(2)	7.75

Model Number	Base Type	Additional Features	Idle Power* (Watts)
TM1602G	IAD D3	D3 above 4x4(5), GigE LAN, FXS(2)	9.10
WR2100	Basic LNE	FastE LAN, WiFi(n) LP	2.80

\* Product performance may vary when connected to Service Providers' networks.

#### Base Type Legend:

Name	Description
IAD D3	Integrated Access Device with DOCSIS 3.0 WAN, 4x4 configuration
IAD GigE	Integrated Access Device with Gigabit Ethernet WAN
Basic D3	Broadband Modem with DOCSIS 3.0 WAN, 4x4 configuration
Basic LNE	Local Network Equipment without IAD functionality

#### Additional Features Legend:

Name	Description
D3 above 4x4	DOCSIS 3.0 additional groups of 4 downstream channels (above 4x4)
FastE LAN	Fast Ethernet LAN port
GigE LAN	Gigabit Ethernet LAN port
WiFi(n) LP	Wi-Fi 802.11n 2.4GHz or 5GHz radio with 2x2 MIMO
WiFi(ac) LP	Wi-Fi 802.11ac 5GHz radio with 2x2 MIMO
WiFi above 2x2 LP	Additional Wi-Fi MIMO channels, above 2x2
802.11n 256 QAM	Wi-Fi IEEE 802.11n at 2.4GHz supporting 256-QAM
MoCA	Multimedia over Coax Alliance networking 1.1/2.0
USB2	USB 2.0 port
USB3	USB 3.0 port
FXS	Foreign eXchange Subscriber (analog phone port)
PCIe	PCIe Interface
G.hn	Gigabit Home Networking (Power Line Communications technology)

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 simple local network device that does not include additional routing functionality, such as bridges that convert from one physical layer to another, simple Wi-Fi access points that do not provide routing functionality.

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i “Voluntary Agreement For Ongoing Improvement To The Energy Efficiency Of Small Network Equipment” <http://www.cta.tech/CorporateSite/media/environment/energy/Voluntary-Agreement-for-Ongoing-Improvement-to-the-Energy-Efficiency-of-Small-Network-Equipment.pdf>