

NETGEAR SNE Energy Information

December 31, 2016

NETGEAR, Inc. is an active participant in the Voluntary Agreement for Ongoing Improvement to the Energy Efficiency of Small Network Equipment (SNE). This Voluntary Agreement covers products used by consumers of residential broadband Internet access services in the United States. The power consumption reflected below are in accordance with test method defined in Voluntary Agreement for the period of January 01, 2016 to December 31, 2016.

Model Number	Base Type	Additional Features	Idle Power (Watts)*
C6250-100NAS	IAD D3	D3 above 4x4(x3), GE(x2), WFnLP, WFacLP, WF above 2x2 LP(x2), USB2	14.60
CM500-100NAS	Basic D3	D3 above 4x4(x3), GE	8.22
CM600-100NAS	Basic D3	D3 above 4x4(x5), GE	10.15
D7000-100NAS	IAD VDSL2	GE(x4), WFnHP, WFacHP, WF above 2x2 HP, 802.11n QAM, USB3(x2)	8.82
EX3700-100NAS	Basic LNE	GE, WFnLP, PCIe(x2)	2.85
EX3800-100NAS	Basic LNE	GE, WFnLP, WFacLP, 802.11n QAM, PCIe(x2)	2.80
EX6100-100NAS	Basic LNE	GE, WFnLP, WFacHP, PCIe	4.03
EX6120-100NAS	Basic LNE	GE, WFnLP, WFacLP, PCIe(x2)	2.85
EX6150-100NAS	Basic LNE	GE, WFnLP, WFacLP, PCIe(x2)	4.20
EX6200-100NAS	Basic LNE	GE(x5), WFnHP(x2), WFacHP(x2), USB3, PCIe(x2)	5.64
EX7000-100NAS	Basic LNE	GE(x5), WFnHP, WFacHP, WF above 2x2HP(x2), 802.11n QAM, USB3, PCIe(x2)	9.30
N450-100NAS	IAD D3	D3 above 4x4, GE(x4), WFnLP, WF above 2x2HP, USB2, PCIe(x2)	7.84
R6050-100PAS	IAD GE	GE(x4), WFnLP(x2), WFacHP, USB2	3.67
R6100-100NAS	IAD GE	FE(x3), WFnLP, WFacLP, USB2, PCIe	3.70
R6100-100PAS	IAD GE	FE(x3), WFnLP, WFacLP, USB2, PCIe	3.70
R6220-100NAS	IAD GE	GE(x4), WFnLP, WFacLP, USB2	5.20
R6250-100NAS	IAD GE	GE(x4), WFnHP, WFacHP, WF above 2x2HP, USB2, PCIe(x2)	9.40
R6400-100NAS	IAD GE	GE(x4), WFnHP, WFacHP, WF above 2x2HP(x2), USB2, PCIe(x2)	9.41
R6900-100NAS	IAD GE	GE(x4), WFnHP, WFacHP, WF above 2x2HP(x2), USB2, USB3, PCIe(x2)	10.22
R7500-200NAS	IAD GE	GE(x4), WFacLP, WF above 2x2 LP(x2), WFnHP, SATA, WF above 2x2HP, 802.11n QAM, USB3(x2), PCIe(x2)	7.18
R7800-100NAS	IAD GE	GE(x4), WFacLP, WF above 2x2 LP(x3), WFnHP, SATA, WF above 2x2HP, 802.11n QAM, USB3(x2), PCIe(x2)	9.25
R7900-100NAS	IAD GE	GE(x4), WFnHP, WFacHP(x2), WF above 2x2 HP(x3), 802.11n QAM, USB3, PCIe(x3)	12.81
R8000-100NAS	IAD GE	GE(x4), WFnHP, WFacHP(x2), WF above 2x2 HP(x3), 802.11n QAM, USB2, USB3, PCIe(x3)	12.70
R8500-100NAS	IAD GE	GE(x6), WFnHP, WFacHP(x2), WF above 2x2 HP(x6), 802.11n QAM, USB2, USB3, PCIe(x3)	18.45

Model Number	Base Type	Additional Features	Idle Power (Watts)*
WN2500RP-100NAS	Basic LNE	FE(x4), WFnLP, PCIe(x2)	5.07
WN3000RP-100NAS	Basic LNE	FE, WFnLP	1.66
WNDR3400-100NAS	IAD GE	FE(x4), WFnLP(x2), USB2, PCIe(x2)	5.29
WNDR4300-100NAS	IAD GE	GE(x4), WFnLP(x2), USB2, PCIe	3.73
WNDR4500-100NAS	IAD GE	GE(x4), WFnLP(x2), USB2(x2), PCIe	4.05
WNDR4500-100PAS	IAD GE	GE(x4), WFnLP(x2), USB2(x2), PCIe	4.05
WNR1000-100NAS	IAD GE	FE(x4), WFnLP	1.60
WNR2000-100NAS	IAD GE	FE(x4), WFnLP	2.21
WNR2020-200PAS	IAD GE	FE(x4), WFnLP(x2)	1.60
R7000-100PAS	IAD GE	GE(x4), WFnHP, WFacHP, WF above 2x2 HP(x2), 802.11n QAM, USB2, USB3, PCIe(x2)	10.07
R8000-100PAS	IAD GE	GE(x4), WFnHP, WFacHP(x2), WF above 2x2 HP(x3), 802.11n QAM, USB2, USB3, PCIe(x3)	12.70
EX6400-100NAS	Basic LNE	GE, WFnLP, WFacLP, WF above 2x2 LP(x3), PCIe	3.62
EX7300-100NAS	Basic LNE	GE, WFnLP(x4), WFacLP(x4), WF above 2x2 LP(x4)	12.90
EX2700-100PAS	Basic LNE	FE, WFnHP	1.64
WNR3500L-100NAS	IAD GE	GE(x4), WFnLP, USB3	5.84
R6220-200NAS	IAD GE	GE(x4), WFnLP, WFacLP, USB2	5.20
R6300-100PAS	IAD GE	GE(x4), WFnHP, WFacHP, WF above 2x2 HP(x2), 802.11n QAM, USB2, USB3, PCIe(x2)	9.83
D6400-100NAS	IAD VDSL2	GE(x4), WFnLP, WFacHP, WF above 2x2 HP, GE Backup Wan, USB2(x2)	9.22
DM200-100NAS	Basic VDSL2	FE, VDSL2 Simul WAN,	5.62
R8300-100NAS	IAD GE	GE(x6), WFnHP, WFacHP(x2), WF above 2x2 HP(x6), 802.11n QAM, USB3,	8.13
RBR50-100NAS	IAD GE	GE(x4), WF above 2x2 LP, WFnHP, WFacHP, WF above 2x2 HP, 802.11n QAM, USB2, Blue-tooth, PCIe	7.33
FS205-100PAS	Basic LNE	FE	1.15
GS205-100PAS	Basic LNE	GE(x5)	1.16
GS208-100PAS	Basic LNE	GE(x8)	1.33
GS305-100PAS	Basic LNE	GE(x5)	1.23
GS308-100PAS	Basic LNE	GE(x8)	1.34
GS605NA	Basic LNE	GE(x5)	1.14
GS608NA	Basic LNE	GE(x8)	1.33
EX6200-100PAS	Basic LNE	GE(x5), WFnLP, WFacLP, WF above 2x2 HP, 802.11n QAM, USB3	5.64
CM1000-100NAS	Basic D3	D3 above 4x4(x7), GE(x1)	9.04
CM700-100NAS	Basic D3	D3 above 4x4(x7), GE(x1)	8.73

Model Number	Base Type	Additional Features	Idle Power (Watts)*
PLP1000-100PAS	IAD GigE	None	2.14
R7000P-100NAS	IAD GigE	GE(x4), WFnHP, WFacHP, WF above 2x2 HP(x2), 802.11n QAM, USB2, USB3	9.30
R7300DST-100NAS	IAD GigE	GE(x5), WFnHP, WFacHP, WF above 2x2 HP(x2), 802.11n QAM, USB2, USB3, PCIe	9.58
R9000-100NAS	IAD GigE	GE Backup Wan, GE(x6), WF above 2x2LP(x2), WFacLP, WFacHP, WF above 2x2 HP(x2), USB3(x2), BLT	15.30
RBS50-100NAS	IAD GigE	GE(x4), WFacLP, WF above 2x2LP(x3), WFnHP, WF above 2x2 HP, 802.11n QAM, USB2, BLT, PCIe	7.33
DM111PSP-100NAS	Basic ADSL2+	FE	4.28
PL1000-100PAS	IAD GigE	None	2.19
PL1010-100PAS	IAD GigE	None	2.19
PLW1010-100NAS	IAD GigE	GE, WFnLP	4.73
PL1200-100PAS	IAD GigE	GE, WFnLP, WFacLP, 802.11n QAM	6.83
PLP1200-100PAS	Basic LNE	None	3.00
PLW1000-100NAS	IAD GigE	GE, WFnLP, WFacLP	4.73
XAVB5201-100PAS	Basic LNE	FE	3.26
XWNB5221-100PAS	Basic LNE	FE, WFnHP	3.26
PR2000-100NAS	IAD GigE	FE(x2), WFnHP, USB2,	1.71
R6700-100NAS	IAD GigE	GE(x4), WFnLP, WFacLP	6.34
WN2500RP-100PAS	Basic LNE	FE(x4), WFnLP	5.07
WNCE3001-100NAS	Basic LNE	FE, WFnLP	1.91
C3700-1T8NAS	IAD D3	D3 above 4x4, GE(x2), WFnLP(x2), WF above 2x2LP(x2), USB2	10.51
C3000-1T8NAS	IAD D3	D3 above 4x4, GE(x2), WFnLP, WF above 2x2LP, USB2	9.25
WNR2000H-511NAS	IAD GigE	FE(x4), WFnLP	2.21
R6300-2CPNAS	IAD GigE	GE(x4), WFnHP, WFacHP, WF above 2x2 HP(x2), 802.11n QAM, USB2, USB3, PCIe(x2)	9.83
C6300-1T8NAS	IAD D3	D3 above 4x4(x3), GE(x4), WFnLP, WFacLP, WF above 2x2LP(x2), 802.11n QAM, USB2	13.27
CM400-1AZNAS	Basic D3	D3 above 4x4, GE	5.30
CM400-1T8NAS	Basic D3	D3 above 4x4, GE	5.30
C7000-1T8NAS	IAD D3	D3 above 4x4(x3), GE(x4), WFnLP, WFacLP, WF above 2x2LP(x2), 802.11n QAM, USB2	13.27

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

Base Type Legend:	
Basic D3	DOCSIS 3.0 Broadband Modem, channel bonding configuration shown
Basic ADSL2+	Asynchronous DSL broadband Internet access
IAD D3	DOCSIS 3.0 Integrated Access Device, channel bonding configuration shown

IAD ADSL2+	Integrated Access Device with Asynchronous DSL broadband access
IAD GE	Integrated Access Device with Gigabit Ethernet WAN Input
IAD VDSL2+	Integrated Access Device with very high speed digital subscriber line broadband Internet access
IAD VDSL2+ (30a)	Integrated Access Device with very high speed digital subscriber line broadband Internet access including 30a
Basic LNE	Local Network Equipment without IAD functionality
Additional Features Legend:	
FE	Fast Ethernet LAN port
GE	Gigabit Ethernet LAN port
PCIe	Peripheral Component Interconnect Express
SATA	Serial ATA
USB2	USB 2.0 port
USB3	USB 3.0 port
Bluetooth	BLT
D3 above 4x4	DOCSIS 3.0 additional power allowance for each additional 4 downstream channels
WFnLP	Wi-Fi IEEE 802.11n radio at 2.4 GHz or at 5.0 GHz with a conducted output power up to 200 mW per chain (up to 2x2, i.e. 400 mW).
WFacLP	Wi-Fi, IEEE 802.11ac radio at 5 GHz with a conducted output power up to 200 mW per chain (up to 2x2, i.e. 400 mW).
WF above 2x2LP	Additional allowance per RF chain above a 2x2 MIMO configuration (e.g., for 3x3 and 4x4) with a conducted output power up to 200 mW per chain.
WFnHP	Wi-Fi IEEE 802.11n radio at 2.4 GHz or at 5.0 GHz with a conducted output power greater than 200 mW per chain (up to 2x2, i.e. 400 mW).
WFacHP	Wi-Fi, IEEE 802.11ac radio at 5 GHz with a conducted output power greater than 200 mW per chain (up to 2x2, i.e. 400 mW).
WF above 2x2HP	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 QAM	WiFi IEEE802.11n at 2.4GHz supporting 256-QAM

Additional Feature Legend Key: A feature listed in the table with a number following it indicates the number of ports or interfaces of that type supported by the device. For example, GE (4) indicates the device has four GigE LAN ports. If a number is not provided, it defaults to (1).