



Grandstream Networks, Inc.

GXW410x & GXW42xx Series

Power Consumption Technical Bulletin

DOCUMENT PURPOSE

This document is a technical bulletin describing power consumption details for GXW4216, GXW4224, GXW4232 and GXW4248 & GXW4104/GXW4108.

POWER DISSIPATION

Table 1: Power Dissipation and Advertisement

Product	Version	Power Adapter Model		
		Standby	Operating	Max Power
		Power (W)	Power (W)	Power (W)
GXW4104		3.58	3.78	3.78
GXW4224		3.91	4.27	4.27

Product	Version	Power Adapter Model			
		Standby	Operating	Max Power	
		Power (W)	Power (W)	2RENs Loaded	Power (W)
GXW4216		2.69	15.31	Europe	24.00
				America	26.40
GXW4224		4.00	22.58	Europe	36.79
				America	39.38
GXW4232		4.15	29.59	Europe	43.70
				America	46.02
GXW4248	V1.0A	5.20	45.83	Europe	47.50
				America	50.19



TEST CONDITION TERMINOLOGY

The following test condition terminology was used in table 1.

- **Standby State**

- The UUT (Unit Under Test) has completed the boot-up process.
- The SIP application was running PCMA codec with SRTP.
- No established call and no incoming ring.

- **Operating State**

- The UUT is set up as described in the Idle State.
- The maximum number of calls are established for each UUT.
- The Phone connected to UUT FXS port is working at handsfree mode and set to maximum volume.
- Connect a 600R resistor load for each FXS port of GXW4248 to simulate Off-Hook.

- **Max Power**

- 2RENS loaded on each FXS port of UUT and ring established for all GXW42xx.
- 1RENS loaded on each FXS port of UUT and ring established for all GXW4248.

