



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 |
| GXW4108 | | 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.

