Grandstream Networks, Inc.

DP750/DP720 Technical Bulletin

Power Consumption

POWER DISSIPATION

Table 1: Power Dissipation and Advertisement

Product	Power Adapter (5.12VDC)			PoE (46.9VDC)			Class Advertisement (IEEE 802.3af)
	Idle State (W)	Work State (W)	Power Not to Exceed (W)	Idle State (W)	Work State (W)	Power Not to Exceed (W)	
DP750	0.791	0.897	1.147	1.308	1.448	1.815	1
DP720	0.006	0.094	0.598	N/A	N/A	N/A	N/A

PD POWER CLASSIFICATION

Table 2: PD Power Classification (IEEE 802.3af)

Class	Usage	Max Power Range used by the PD (phone)
0	Default	0.44 to 12.95W
1	Optional	0.44 to 3.84W
2	Optional	3.84 to 6.49W
3	Optional	6.49 to 12.95W
4	Not Allowed	Reserved for future use (for example: IEEE802.3AF)

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TEST CONDITION TERMINOLOGY

The following test condition terminology was used in table 1.

- ## Idle State

    DECT Base Station:

    - The base has boot-up, and with one registered handset in idle state.
    - Connect to the LAN network.
    - There was no call state established.

    DECT Handset:

    - Keep the screen dark.
    - Register to Base Station and keep connected

- ## Work State

    DECT Base Station:

    - The base running IP call with one handset registered.
    - The handset set the maximum volume during the IP call.

    DECT Handset:

    - Keep the screen dark and run IP call.
    - The handset set the maximum volume during the IP call.

- ## Power Not Exceed

    DECT Base Station:

    - 5 handsets are registered to the base, and 4 handsets were running four lines IP call at same time.
    - The handsets set the maximum volume during IP call.

    DECT Handset:

    - Ringing with maximum volume.

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