Video Phone Technical Bulletin

Power Consumption of Video Phone Series 2

1. Power Dissipation

Table 1: Power Dissipation and Advertisement

Item	Product	HW Version	Power Adapter (12VDC)				POE (46.9VDC)				Class Advertisement (IEEE 802.3at)
			Idle State	Work State		MAX POWER (W)	Idle State	Work State		MAX POWER (W)	
			Power (W)	State	Power (W)		Power (W)	State	Power (W)		
1	GXV3240	V1.7A	2.186	RING	2.718	7.5843	3.8155	RING	3.895	9.7166	4
				CALL	3.025			CALL	4.050		
				USB	6.011			USB	7.727		
2	GXV3240+1EXT	V1.7A	3.205	RING	3.605	8.7829	4.967	RING	4.940	10.8514	4
				CALL	4.097			CALL	5.202		
				USB	7.064			USB	9.051		
3	GXV3240+2EXT	V1.7A	4.2375	RING	4.707	9.8802	6.192	RING	6.245	12.0374	4
				CALL	5.111			CALL	6.531		
				USB	8.107			USB	10.134		
4	GXV3240+3EXT	V1.7A	5.2825	RING	5.749	10.8827	7.3345	RING	7.388	13.3248	4
				CALL	6.200			CALL	7.649		
				USB	9.098			USB	11.422		
5	GXV3240+4EXT	V1.7A	6.3505	RING	6.736	12.5563	8.5305	RING	8.531	14.6148	4
				CALL	7.438			CALL	8.774		
				USB	10.184			USB	12.528		
6	GXV3275	V1.4B	4.738	RING	5.100	13.818	6.766	RING	7.346	15.6490	4
				CALL	5.403			CALL	8.077		
				USB	10.325			USB	13.601		

Note：
1) The EXT is GXP2200EXT Extension Module.
2) Class Advertisement refers to Table 2 for IEEE 802.3at Classification at PD.

Table 2: PD Power Classification (IEEE 802.3at)

Class	Usage	Max Power Range (W) Used by the PD (Phone)
0	Default	0.44 to 12.95
1	Optional	0.44 to 3.84
2	Optional	3.84 to 6.49
3	Optional	6.49 to 12.95
4	Optional	12.95 to 25.5

2. Test Condition Terminology

The following test condition terminology is used in Table 1.

• Idle State

— The phone has completed the boot-up process.

— The SIP application is running PCMU codec with SRTP.

— The idle screen is shown on the LCD.

— LCD Backlight is at normal brightness.

• Work State

RING state:

— The phone is set up as described in the Idle State.

— The phone has an incoming call from another phone. The phone is ringing without answering it.

CALL state:

— The phone is set up as described in the Idle State.

— The phone is callling to another phone.

USB state:

— The phone is set up as described in the Idle State.

— The external USB device connected to phone's USB interface should be at the maximum power.

• Power Not To Exceed

— +nEXT means connect to n Extension Module(s), n=1,2,3,4.

— EXT work condition: All Indicator LEDs are lighting up.

— External USB device in maximum power.

— EXT work condition: All Indicator LEDs are lighting up.

— Maximum volume and maximum brightness level.

— Playing video or music.