

# Power Consumption Comparison

		Number of Telephones (50% Std/50% Exec)		Monthly		
		Power Consumption Value (Watts)	Total System Power Consumption (Watts)	Cost to Operate at 9.6 cents/kwh	Total Cost to Operate per Year	Total Cost to Operate 5 Years
<b>Cisco Description</b>		<b>Model</b>				
Standard Phone	7906G	5	2187	150.90	1810.84	9054.18
Executive Phone	7961G-GE	12				
Call processing/application server	MCS 7825-H2	255				
Call processing/application server	MCS 7825-H2	255				
Call processing/application server	MCS 7835-H2	475				
PSTN gateway	2821 Router w/ T1	280				
VG248	Analog voice gateway	72				
<b>Shoretel Description</b>						
Standard Phone	IP 230	4.4	1606	110.81	1329.77	6648.84
Executive Phone	IP 560G	7.1				
VoIP switch/T1	SG T1	18				
VoIP switch/Analog-IP	SG 120	63				
Administration/Messaging server	IBM System x3250	475				
Speech recognition server	IBM System x3250	475				
<b>Iwatsu Enterprise Suite</b>						
Standard Phone	IX-5910	2.8	670	46.23	554.76	2773.8
Executive Phone	IX-5930	3.2				
Gateway Controller/call processing	IX-CME	115				
UC Applications server	Dell Optiplex 360	255				

**All systems configured for 50 standard IP stations, 50 executive IP stations, unified communications with 75 UC clients incorporating presence and speech recognition.**

*Note: All power consumption values reflect manufacturer published nominal ratings. No consideration of additional air conditioning requirements due to excessive BTU rating was factored.*