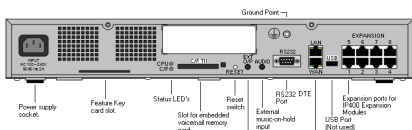


Especificaciones Técnicas IP Office 500



IP Office IP 500 Control Unit

- 4 slots to house a mixture of extension cards and VCM cards
 - Digital Station 8 card
 - Phone 2 and Phone 8 cards
 - VCM-32 and VCM-64 cards
- Optional trunk daughter card support:
 - Analog Trunk Module 4 card
- Single and Dual Universal PRI cards
- Support for IP400 trunk and VCM cards using a Legacy Card Carrier
- Slot for smart card Feature Key – required for system operation as well as licensing of optional features.
- 9-pin DTE Port for maintenance.
- Support for up to 8 IP Office Expansion Modules (requires upgrade to Professional Edition):
 - Phone modules (8, 16, 30)
 - Digital Station modules (16, 30)
 - Analog Trunk Module 16
- External O/P socket supporting two relay on/off switch ports, e.g. for door entry systems.
- Audio input port for external music on hold source.
- 48 Data channels
- Up to 30 Voicemail Pro ports
- Two 10/100 switched Ethernet ports (Layer 3).



IP500 Software and Licensing

IP500 Voice Networking License
 QSIG, H.323 and SCN capabilities are not enabled by default in the IP500. An additional license is required to enable this functionality with 4 simultaneous networking channels (no channel limit for QSIG). Additional channels can then be licensed in increments of 4.

IP Office Standard Edition

By default the IP500 control unit runs a subset of full IP Office functionality called IP Office Standard Edition. In this mode the IP500 is restricted to a maximum of 32 users in the base control unit with no expansion. Supported options include Embedded Voicemail, Phone Manager Lite/Pro/PC Softphone, SoftConsole, TAPI, SMDR, SIP trunking, mobile twinning, VPN Phone and IP DECT, as well as licenses for voice networking (H.323 or SCN). IP Office Standard Edition does not support advanced applications (VoiceMail Pro, CCC, Conference Center, etc). This restriction can be removed by adding an IP Office Professional Edition Upgrade license to the configuration.

IP Office Professional Edition

By purchasing the upgrade license from Standard Edition to Professional Edition, additional functionality is enabled. This includes the ability to expand the system using up to eight external Expansion Modules, allowing the IP500 to support a maximum of 272 phones through a mixture of analog, digital or IP handsets. If additional analog trunks are required, these can be aggregated in groups of 16 on each analog expansion module. Note that the Professional Edition also enables the licensing of advanced applications such as VoiceMail Pro.

The following table shows which features are supported by Standard Edition and which require the upgrade to Professional Edition.

Feature	Standard Edition		Professional Edition	
	Included	Optional	Included	Optional
Up to 32 Analog or 24 Digital users -->	✓		✓	
IP phone support -->	✓		✓	
Phone Manager Lite -->	✓		✓	
TAPI -->	✓		✓	
SMDR -->	✓		✓	
64-way basic conferencing -->	✓		✓	
IP Office Manager -->	✓		✓	
System Status Application -->	✓		✓	
Voice networking -->		✓		✓
Advanced Networking -->		✓		✓
Embedded Voicemail -->		✓		✓
Phone Manager Pro / PC Softphone -->		✓		✓
SoftConsole -->		✓		✓
SIP Trunking -->		✓		✓
IP DECT -->		✓		✓
Mobile Twinning and Mobility -->		✓		✓
VPN phone support -->		✓		✓
CTI Link Pro -->		✓		✓
32 - 272 Users -->			✓	
Expansion Module support -->			✓	
64-way Meet-Me conferencing* -->			✓	
Voicemail Lite -->			✓	
Voicemail Pro -->			✓	
UMS* -->			✓	
ContactStore* -->			✓	
Conferencing Center -->			✓	
Compact Contact Center -->			✓	
TAPI WAV -->			✓	

* Voicemail Pro Basic license required

IP Office Specific VA Values

The web site <http://ups.avayaups.com> provides a calculator into which you can enter the equipment you want supported on a UPS. It will then

Typical IP Office System	VA
IP500 System	230
Individual Equipment	VA
Phone 8 Module	17
Phone 16 Module	23
Phone 30 Module	42
Typical Server PC	600
Typical Desktop PC	400
Mid Span PSU - 6 ports	150
Mid Span PSU - 12/24 ports	300

• The 1151C2/1151D2 power supply units for Avaya H.323 IP phones include a backup battery. This typically provides 15 minutes backup at

IP Telephone Power Consumption

Measured in Watts using an IEEE 802.3af power supply at 48V. This table shows the power consumption of the phones

Telephone	PoE Class (IEEE)	Power Conservation Mode	Power Consumption (Watts)	
			Typical	Worst Case
1603	Class 2	4.32	3.75	5.10
1608	Class 2	4.66	3.76	5.69
1616	Class 2	3.17	2.83	3.65
1616 with I	Class 2	4.37	3.41	5.52
4602SW, 5602SW	Class 2	4.10	N/A	5.0
4610SW, 5610SW	Class 2	4.00	N/A	6.0
4620, 5620	Class 2	NA	4.0	6.0
4620SW	Class 3	NA	7.7	9.9
4621SW, 5621SW	Class 2	4.90	N/A	6.45
4625SW	Class 3	7.8	N/A	9.42
Gig Adapter	-	3.16	N/A	5.81

Note: Typical is measured off-hook sample size 1. Worst Case is analytical. Except the 4601, 4602, 5601 and 5602 all telephones had a PC Note: when using the 1716 phone with more than 1 BM32, an external power supply is needed.