

AVAYA

May 2007 Product Catalog

Software, Phones
and Headsets



Welcome to the May 2007 edition of the Avaya Software, Phones and Headsets catalog. This is designed as an overview of the broad products offered for our end user customers.

Products are organized into several categories: **Software, Enterprise**

Phones, Small & Medium Business

Phones, Integral Phones, In-Building

Wireless solutions and Headsets.





For more details on these products or Avaya's other solutions such as Servers, Gateways, Analog Phones and Services, please go to *www.avaya.com*.

Table of Contents

■ Focus On	4-7
• Mobility	4
• In-Building Wireless	5
• Desktop Phones	6
• Quick Edition	7
■ Software	9-10
• Solutions for Mobile Devices	9
• Solutions for Desktops and Laptops	10
■ Enterprise Phones	11-13
■ Small & Medium Business Phones	14-15
■ Integral T3 and IP Phones	16
■ Avaya Quick Edition	17
■ Phone Applications	18
■ In-Building Wireless	19-22
• Choosing In-Building Wireless	19
• IP Wireless Telephones, VoWLAN	20
• IP DECT solutions	21
• DECT solutions	22
■ Headsets	23-24
■ Definitions	25-26



Avaya offers a broad range of mobility solutions enabling users to work from anywhere – regardless of device, location, or network. Generally speaking these solutions offer cost reduction and dramatically enhanced productivity while allowing businesses to leverage existing infrastructure for workers away from a desk in a corporate location.

MOBILITY SOLUTION GUIDE				
<ul style="list-style-type: none"> ■ Ideal Solution ■ Suitable Solution 				
	Teleworker	Road Warrior	Campus Nomad	Hot Desking
IP Softphone	■	■		
Avaya one-X™ Desktop	■	■		
VPN Phone	■			
Avaya one-X Portal	■	■		
Extension to Cellular	■	■	■	■
Avaya one-X Mobile	■	■	■	■
Avaya one-X Mobile Dual Mode		■	■	
Avaya one-X Speech	■	■	■	
Modular Messaging	■	■	■	
IP DECT Solutions			■	■
IP Wireless Telephones, WLAN			■	■
900 Mhz Telephones			■	
IP Softphone for WM5			■	
Enterprise Mobility User				■
Headsets	■	■	■	■

Healthcare, manufacturing, and retail environments face special communication challenges with workers who are often mobile on-premise. Our WLAN solution offers rich application integration, one converged network, and an expanded selection of handsets. IP DECT offers a voice-optimized network on a dedicated frequency for those who require a separate voice network. Avaya is committed to offering a variety of solutions to meet our customers needs.



WLAN

- 3 new phones
- Integrated voice and data network
- Rich application support

IP DECT

- High quality, secure voice-only network
- Proven, trusted technology -
Now available in the US!



FOCUS ON DESKTOP PHONES

Avaya continues to increase our leadership in desktop phones. We have expanded our Avaya one-X™ Deskphone 9600 family of phones to offer solutions for a wide range of use cases, from walk-up phones for lobbies to solutions for essential users such as sales people. We are also proud to introduce our Avaya one-X Deskphone Value Edition 1600 family which is value priced, but feature rich.



9600 Series of IP Telephones

- High fidelity, wideband audio
- Sleek design
- High resolution, context sensitive user interface
- SIP support

1600 Series of IP Telephones

- Value priced
- Feature rich



Avaya Quick Edition delivers intelligent communications to small businesses or branches of large enterprises. Quick Edition delivers business class communication features including voice mail and auto-attendant and rich call management features including Call Forward, Conferencing, Park, Page and Retrieve. No server is required, and the system is easy to install and manage - ideal for small business or branches with limited IT resources.






- No PBX server required
- Easy to install and manage
- Feature rich
- Ideal for small businesses and branch locations of larger corporations








Product Information



SOFTWARE SOLUTIONS FOR MOBILE DEVICES






	Extension to Cellular	Avaya one-X Mobile for Symbian, Dual Mode	Avaya one-X Mobile for Symbian, Single Mode	Avaya one-X Mobile for Windows Mobile 5, Single Mode	Softphone for Pocket PC ("Click to Dial")	Softphone for Windows Mobile 5 ("Click to Dial")
						
	Offers one-number convenience.	Use your mobile device like your deskphone. One-number access, advanced PBX feature availability while mobile, and the ability to leverage existing infrastructure – all with the mobile device you use today.			Desk phone – on your PDA! Benefits include enhanced productivity and cost savings while allowing businesses to leverage existing infrastructure. No extra devices required.	
Material Code¹	172071, 182206, 186906, 190342, 190344	Included with Extension to Cellular. Note that Dual Mode support requires a specific version of Extension to Cellular.			Included with IP Softphone	
Typical User Profile	Anyone who is away from their desk frequently and requires one-number access. Extension to Cellular works with any cell phone.	Road warriors who work remotely or dial internationally frequently and use their mobile devices a significant portion of the time and need power communicator features.			Anyone who has a PDA and high-speed internet access while traveling or working away from their desk, and needs to maintain communications with their customers and coworkers	
Benefits²	Offers one-number convenience. When your desk phone is dialed, both your desk and mobile phone ring. Seamlessly transfer calls between your desk and cell phones.	Your mobile phone becomes an extension of your desk phone allowing you to remain productive while mobile. Access advanced PBX features like conference and transfer and dial internationally through the PBX while mobile. Dual mode offers the ability to connect over both WLAN and Cellular and the ability to handover calls between the two. Calls are dialed via the PBX so existing infrastructure, like call recording or call detail recording, is leveraged. International calls can be dialed via the PBX as well for significant cost savings.			User can access their desk phone functionality. When calls are made to your desk phone, the PDA rings and calls can be taken via a headset. Cost savings are realized since calls are VoIP.	
Supported Devices³	Device Independent	Symbian Dual Mode: Nokia E60, E61, E70. Symbian Single Mode: E50, E62, N70, 9300, 9300i, 9500, 3230, 6260, 6600, 6620, 6630, 6670, 6680, 6681, 6682, 7610. Windows Mobile 5 PPC: Sprint PPC 6700, Verizon XV 6700, Cingular 8125, Dopod 838, i-Mate K-Jam, O2 XDA miniPro, Orange SPV M3000, QTEK 9100, T-Mobile MDA IV, Voda VPA Compact II, Verizon Treo 700w, Sprint Treo 700wx. This is a partial list. Please see support.avaya.com for details and the complete listing.			HP/Compaq IPAQ 3600, 3700, 3800, 3900, 4100, 5400, or 5500 series Symbol MC50	Symbol MC70 Intermec CN30 iMate PDA-N HP iPAQ rx1955
Operating Systems	NA	Symbian		WM5	PPC 2002 & 2003	WM5
Languages	NA	German, French, English, Italian, Spanish Chinese, Japanese, Finnish, Portuguese, and Dutch			English	
Communication Protocol	NA	GSM	GSM	GSM, CDMA	H.323	
Connection Types	Cell/Remote	Cell, WLAN	Cell	Cell	VoIP (Road Warrior), Telecommuter, Telephone Control	
Directory Integration	NA	Device contacts	Device contacts	Device contacts, Pocket Outlook	Pocket Outlook, Lotus Notes, LDAP	
Voice Codecs	NA	AMR for GSM	AMR for GSM	AMR for GSM, EVRC for CDMA	G.711	
Communication System Compatibility	CM – all versions, DEFINITY 9.5 and above	Symbian Dual Mode: CM 3.1.3 and above, Symbian Single Mode: CM 3.0 and above, Windows Mobile 5 Single Mode: CM 3.0 and above			CM – all versions, DEFINITY 10.0 and above	

SOFTWARE SOLUTIONS FOR DESKTOPS AND LAPTOPS

	Avaya one-X Desktop	IP Softphone	Softconsole	IP Office Phone Manager	IP Office SoftConsole
					
	SIP-based PC softphone allowing users to remain connected with just their PC and an internet connection	H.323 PC softphone allowing users to remain connected with just their PC and an internet connection	H.323-based PC attendant's console to help receptionist manage routing high volume of calls	H.323-based PC user software for controlling IP Office desk phones for users who prefer to control their phone via the PC.	H.323-based PC attendant's console to help receptionist manage routing high volume of calls
Material Code¹	186989, 186916, 191596	176576 through 176579, 700245293, 181427 through 181431, 700293111, 205710-205727, 700431604	700253214, 700257066	Phone Manager Pro: 177468 through 177474. PC Softphone: 171992, 174463 through 174467	171987, 174456
Typical User Profile	Anyone wishing to use a SIP based PC softphone.	Anyone with a laptop and internet access while working away from their desk who needs to maintain communications. Also for those wishing to control their phone via the PC.	Usually a receptionist who received and routes calls to many users	Anyone with a laptop and internet access while working away from their desk who needs to maintain communications. Also for those wishing to control their phone via the PC.	Usually receptionist or main answering position.
Benefits²	SIP Phone on your PC. User sees a virtual phone on their PC and can make and receive calls via a headset.	Your PC or laptop becomes your deskphone. Access advanced features, make and receive calls, and dial via the corporate infrastructure.	Simple interface allowing the user to easily route calls to available recipients	Phone Manager Lite and Phone Manager Pro offer a simple PC GUI for users to access advanced deskphone features, offering convenience and efficiency. Phone Manager Pro PC Softphone (VoIP mode) allows you to use your laptop as a phone and make and receive calls.	Assists receptionists in routing incoming calls efficiently. Provides a view of Individual Workers, Calling Groups, Queue & BLF Panel, Held & Parked Calls, Park Slots and more.
IM & Presence	Available via the Avaya SES Server	Available via the Avaya SES Server		Via Microsoft Live Communications Server	
Operating Systems	Windows XP & 2000	Windows XP & 2000 (NT/4.0, Me, & 98 - R4 only)	Windows XP & 2000	Windows XP SP2 & 2000 Professional SP4	Windows XP SP2 & 2000 Professional SP4
Languages	English, Simplified Chinese, German, Italian, Japanese, Korean, Russian	English, Simplified Chinese, French, German, Italian, Japanese, Korean, Portuguese, Spanish, Russian, Dutch	Simplified Chinese, Dutch, French, German, Italian, Portuguese, Spanish	Danish, Dutch, Finnish, French, German, Italian, Korean, Norwegian, Portuguese - Brazil, Portuguese, Russian, Simplified Chinese, Spanish - Argentina, Spanish - Colombia, Spanish - Mexico, Spanish - Spain, Swedish, UK English, and US English.	Brazilian, Chinese (Simplified), Danish, Dutch, English, Finnish, French, German, Italian, Korean, Latin Spanish, Norwegian, Portuguese, Russian, Spanish and Swedish.
Communication Protocol	SIP	H.323, SIP	H.323	H.323	H.323
Connection Types	VoIP (Road Warrior)	VoIP (Road Warrior), Telecommuter, Shared Control, Instant Messaging only	VoIP (Road Warrior), Telecommuter, Direct DCP connection	VoIP (Road Warrior) for Phone Manager Pro PC Softphone, Deskphone for Phone Manager Lite and Phone Manager Pro	Deskphone
Video Support		✓			
Directory Integration	Microsoft Outlook, Lotus Notes, LDAP	Microsoft Outlook, Lotus Notes, LDAP	LDAP, CM, Master Directory	Microsoft Outlook, ACT, Goldmine, Maximizer	
Integrated Application Support	Microsoft Office, IE	Outlook 2000, XP, 2003, IE (highlighted), any Window (sys tray), Microsoft Office Communicator, IBM Sametime Connect, Citrix Presentation Server			
Voice Codecs	G.711, G.729A, G.723	G.711, G.729A, G.723	G.711, G.729A, G.723	G.711, G.729A, G.723	G.711, G.729A, G.723
Communication System Compatibility	Avaya SES Server 3.0 or greater, any standard SIP server, or Peer to Peer	CM - all versions, R6 - CM 2.0 and above, DEFINITY 9.5 and above	CM - all versions, DEFINITY 9.5 and above	IPO 1.0 and above	IPO 1.0 and above

ENTERPRISE PHONES

The 9600 Series is Avaya's newest, high end IP Phone family offering high fidelity audio, stylish, professional design, context sensitive user menus and flexibility for future needs.

	IP 9650	IP 9640/9640G*	IP 9630/9630G*	IP 9620	IP 9610	
Overview						
	Designed for the Navigator user profile – someone who monitors the the line appearances of others, in addition to their own. Building receptionists and executive admin. staff are examples	Designed for the essential telephone user, such as sales people, relationship managers, and attorneys who prefer a color display	Designed for the essential telephone user, such as sales people, relationship managers, and attorneys	Designed for the everyday phone user, someone who relies on multiple communication tools, such as email and IM in addition to their phone	Designed for the walk-up user – such as in a common area or a visitor lobby. The 9610 is designed to be simple and intuitive for the user who has never seen it before	
	Material Code ¹	700383938	700383920	700426729	700426711	700383912
Features	Context Sensitive User Interface	✓	✓	✓	✓	
	Speakerphone	Wideband	Wideband	Wideband	✓	Listen Only
	High Fidelity Audio	✓	✓	✓	✓	
	Headset Interface	Wideband	Wideband	Wideband	Wideband	
	Call Log	✓	✓	✓	✓	
	Integrated Speed Dial/ Contacts	250	250	250	250	250
	Administered Call Appearances/Features Accessible	24	24	24	12	1
	Message Waiting LED	2	2	2	2	1
	Visual Alerting	✓	✓	✓	✓	✓
	Display	Backlit, Grayscale, Adjustable Angle	Color 1/4 VGA, Adjustable Angle	Backlit, Grayscale, Adjustable Angle	Backlit, Grayscale, Adjustable Angle	Backlit, Grayscale
User Interface	Display Size (cm, w x h)	7.9 x 5.9	7.9 x 5.9	7.9 x 5.9	7.8 x 4.0	6.0 x 6.5
	Display Resolution	320 x 240 Pixels	320 x 240 Pixels	320 x 240 Pixels	320 x 160 Pixels	320 x 160 Pixels
	Fixed Feature Buttons	9	10	10	5	3
	Softkey Buttons	12	4	4	4	2
	Administered Call Appearance/Feature Buttons	11	6	6	3 LED status lights	
	Administered Call Appearance/Feature Expansion Unit	24 Button, SBM24, 700383417	24 Button, SBM24, 700383417	24 Button, SBM24, 700383417		
	Call Appearance/ Feature LEDs	11	6	6	3	
	Multi-Language Support	✓	✓	✓	✓	✓
	4-Way Navigation Cluster	✓	✓	✓	✓	✓
	2-Way Navigation Cluster					
Specifications	Communication Protocol	H.323	H.323, SIP**	H.323, SIP**	H.323, SIP**	H.323
	Voice Codecs	G.711, G.729A/B, G.726, G.722	G.711, G.729A/B, G.726, G.722	G.711, G.729A/B, G.726, G.722	G.711, G.729A/B, G.726, G.722	G.711, G.729A/B, G.726, G.722
	Ethernet Switch	✓	✓	✓	✓	
	QoS SUPPORT (802.1 p/Q DiffServ)	✓	✓	✓	✓	✓
	Adapter Ports	2	2	2	1	
	Gigabit Adapter Available	700383771	700383771	700383771	700383771	
	Integrated Gigabit Adapter	✓	✓	✓	✓	
	USB Port	✓	✓	✓	✓	
Power Class	2	2	2	2	2	
Upgradeable to VPN Phone Firmware						
WML Application Interface	✓	✓	✓	✓	✓	
Communication System Compatibility	CM 3.0 and above	CM 3.0 and above	CM 3.0 and above	CM 3.0 and above	CM 3.0 and above	

* G versions, with a native 10/100/1000 port will be available in May – contact your sales person for ordering details. Non-G versions with a native 10/100 port will remain available. Material codes listed are for the non-G versions.

** SIP firmware available. Please see “Avaya one-X Deskphone Edition – SIP” on the “Phone Application” page for more information.

ENTERPRISE PHONES (CONT.)








The 4600 phone family is Avaya's broad, feature and functionality rich family of IP telephones. The current portfolio of seven IP phones allows for a close match of customer needs to hardware selection.

	IP	IP	IP	IP	IP	IP	IP	
	4690	4625SW	4622SW	4621SW	4610SW	4602SW+	4601+	
Overview								
	Speakerphone for conference rooms	Top-line phone supporting color applications	Designed for contact centers	Designed for demanding users needing more on-screen quick-access	Mid-range business set for everyday use	Basic IP phone for users needing only limited features	Simple phone for lobbies and common areas	
Material Code¹	700411168 (no mics) 700411176 (with mics)	700381551	700381569	700381554	700381957	700381916	700381890	
Features	Context Sensitive User Interface							
	Speakerphone	✓	✓	Listen Only	✓	✓	Listen Only	
	High Fidelity Audio							
	Headset Interface		✓	✓	✓	✓		
	Call Log		✓	✓	✓	✓		
	Integrated Speed Dial/Contacts	50	108	108	108	48		
	Administered Call Appearances/Features Accessible	3	24	24	24	12	2	2 Fixed Call Appearances
	Message Waiting LED		✓	✓	✓	✓	✓	✓
Visual Alerting	✓	✓	✓	✓	✓	✓	✓	
Display	Backlit	Backlit, Color	Backlit	Backlit	Monochrome	Monochrome		
User Interface	Display Size (cm, w x h)	6.0 x 2.2	11.4 x 8.1	11.4 x 8.1	11.4 x 8.1	8.2 x 4.4	7.4 x 1.6	
	Display Resolution	248 x 68 Pixels	320 x 240 Pixels	168 x 132 Pixels	168 x 132 Pixels	168 x 80 Pixels	2 x 24 Characters	None
	Fixed Feature Buttons	5	10	10	10	10	10	6
	Softkey Buttons	3	4	4	4	4		
	Administered Call Appearance/Feature Buttons	2	12	12	12	6	2	2 Fixed Call Appearances
	Administered Call Appearance/Feature Expansion Unit		24 Button, EU24BL, 700381825	24 Button, EU24BL, 700381825	24 Button, EU24BL, 700381825			
	Call Appearance/Feature LEDs							1
	Multi-Language Support	✓	✓	✓	✓	✓	✓	✓
4-Way Navigation Cluster								
2-Way Navigation Cluster	✓	✓	✓	✓	✓			
Specifications	Communication Protocol	H.323	H.323	H.323	H.323, SIP	H.323, SIP	H.323, SIP	H.323
	Voice Codecs	G.711, G.729A	G.711, G.729A/B,	G.711, G.729A/B, G.726	G.711, G.729A/B, G.726	G.711, G.729A/B, G.726	G.711, G.729A/B, G.726	G.711, G.729A/B, G.726
	Ethernet Switch		✓	✓	✓	✓	✓	
	QoS SUPPORT (802.1 p/Q DiffServ)	✓	✓	✓	✓	✓	✓	✓
	Adapter Ports							
	Gigabit Adapter Available	700416985	700416985	700416985	700416985	700416985	700416985	700416985
	Integrated Gigabit Adapter							
	USB Port							
Power Class		3	2	2	2	2	2	
Upgradeable to VPN Phone Firmware		✓	✓	✓	✓			
WML Application Interface		✓	✓	✓	✓			
Communication System Compatibility	CM 1.1 and above	CM 1.1 and above, IPO 3.2 and above	CM 1.1 and above	CM 1.1 and above, IPO 3.1 and above	CM 1.1 and above, IPO 3.0 and above	CM 1.1 and above, IPO 1.3 and above	CM 1.1 and above, IPO 3.0 and above	

ENTERPRISE PHONES (CONT.)

Avaya one-X Deskphone Value Edition is a family of cost effective IP Telephones that deliver familiar features at an attractive price point for the user with basic communications needs.







The 2400 family of digital telephones provide high quality choices for enterprises with TDM voice networks.

	IP	IP	IP	Digital	Digital	Digital	Digital	
	1616	1608	1603	2490	2420	2410	2402	
Overview								
	High end phone for Navigator end users	Midrange phone for everyday users	Basic phone for walkup and everyday use	Speakerphone for Conference Rooms	Top-line set designed for those whose phone is critical in their business life	Standard business set for those who use their phone every day but not intensively	Basic digital set for non-intensive uses	
Material Code ¹	700415565	700415557	700415540	700396591	700381585	700381999 (grey) 700416605 (white)	700381793	
Features	Context Sensitive User Interface	✓	✓	✓	✓			
	Speakerphone	✓	✓	✓	✓	✓	Listen Only	
	High Fidelity Audio							
	Headset Interface	✓	✓			✓	✓	
	Call Log	✓	✓			✓	✓	
	Integrated Speed Dial/Contacts	✓	✓		25			
	Administered Call Appearances/Features Accessible	16	8	3	2	24	12	2 (+12) Feature Only
	Message Waiting LED	✓	✓	✓		✓	✓	✓
	Visual Alerting Display	Backlit Monochrome	Backlit Monochrome	Backlit Monochrome	Backlit	Monochrome	Monochrome	Monochrome
User Interface	Display Size (cm, w x h)	8.5 x 2.5	8.5 x 2.5	6.5 x 1.5	5.8 x 7.2	10.1 x 4.4	7.9 x 4.0	8.0 x 1.7
	Display Resolution	4 x 24	3 x 24	2 x 16	248 x 68 Pixels	7 x 29 characters	5 x 29 characters	2 x 24 characters
	Fixed Feature Buttons	14	14	9		14	40	11
	Softkey Buttons	3	3		3	4	4	
	Administered Call Appearance/Feature Buttons	16	8	3	1	8	6	2
	Administered Call Appearance/Feature Expansion Unit	32 button, 700415573				24 Button, EU24BL, 700381817		
	Call Appearance/Feature LEDs	16	8	3				
	Multi-Language Support	✓	✓	✓	✓	✓	✓	✓
	4-Way Navigation Cluster	✓	✓					
2-Way Navigation Cluster				✓				
Specifications	Communication Protocol	H.323	H.323	H.323	TDM	TDM	TDM	TDM
	Voice Codecs	G.711, G.729A/B, G.726	G.711, G.729A/B, G.726	G.711, G.729A/B, G.726	G.711	G.711	G.711	G.711
	Ethernet Switch	✓	✓					
	GoS SUPPORT (802.1 p/Q DiffServ)	✓	✓	✓				
	Adapter Ports							
	Gigabit Adapter Available	✓	✓	✓				
	Integrated Gigabit Adapter							
USB Port								
Power Class	3	2	2					
Upgradeable to VPN Phone Firmware								
WML Application Interface	✓	✓						
Communication System Compatibility	CM 3.0 and above	CM 3.0 and above	CM 3.0 and above	CM 1.1 and above	CM 1.1 and above, IPO 1.4 and above	CM 1.1 and above, IPO 3.0 and above	CM 1.1 and above, IPO 3.0 and above	

SMALL & MEDIUM BUSINESS PHONES

5600 Series IP Telephones, developed specifically to meet the needs of small and medium businesses, bring rich features and functions directly to the desktop, while also supporting desktop applications above and beyond telephony.








The 5400 family of digital telephones provide high quality choices for Small and Medium Businesses with TDM voice networks.

		IP	IP	IP	Digital	Digital	Digital
		5621SW	5610SW	5602SW+	5420	5410	5402
Overview							
		Designed for demanding users needing more on-screen quick-access.	Mid-range business set for everyday use.	Basic IP phone for users needing only limited features.	Top-line set designed for those whose phone is critical in their business life.	Standard business set for those who use their phone everyday but not intensively.	Basic digital set for non-intensive uses.
Material Code ¹		700381544	700381957	700381916	700381627	700382005	700381981
Features	Context Sensitive User Interface						
	Speakerphone	✓	✓	Listen Only	✓	✓	Listen Only
	High Fidelity Audio						
	Headset Interface	✓	✓		✓	✓	
	Call Log	✓	✓		✓	✓	
	Integrated Speed Dial/Contacts	104	48		104	48	
	Administered Call Appearances/Features Accessible	24	24	2	24	12	2 (+12 Feature only)
	Message Waiting LED	✓	✓	✓	✓	✓	✓
	Visual Alerting	✓	✓	✓	✓	✓	✓
Display	Backlit	Monochrome	Monochrome	Monochrome	Monochrome	Monochrome	
User Interface	Display Size (cm, w x h)	11.4 x 8.1	8.2 x 4.4	7.4 x 1.6	10.1 x 7.2	7.9 x 4.0	8.0 x 1.7
	Display Resolution	168 x 132 pixels	168 x 80 pixels	2 x 24 characters	7 x 29 characters	5 x 29 characters	2 x 24 characters
	Fixed Feature Buttons	10	10	10	14	14	11
	Softkey Buttons	4	4		4	4	
	Administered Call Appearance/Feature Buttons	12	6	2	8	6	2
	Administered Call Appearance/Feature Expansion Unit	24 Button, EU24BL, 700381825			24 Button, EU24, 700381817		
	Call Appearance/Feature LEDs						
	Multi-Language Support	✓	✓	✓	✓	✓	✓
	4-way Navigation Cluster						
2-way Navigation Cluster	✓	✓					
Specifications	Communication Protocol	H.323	H.323	H.323	TDM	TDM	TDM
	Voice Codecs	G.711, G.729A/B, G.726	G.711, G.729A/B, G.726	G.711, G.729A/B, G.726			
	Ethernet Switch	✓	✓	✓			
	QoS Support (802.1 p/Q DiffServ)	✓	✓	✓			
	Adapter Ports						
	Gigabit Adapter Available						
	USB Port						
Power Class	2	2	2				
Upgradeable to VPN Phone Firmware							
WML Application Interface	✓	✓					
Communication System Compatibility	IPO 3.2 and above	IPO 3.0 and above	IPO 3.0 and above	IPO 3.0 and above	IPO 3.0 and above	IPO 3.0 and above	

SMALL & MEDIUM BUSINESS PHONES (NAR AND CALA)

The Avaya 4400 Series Digital Voice Telephones deliver the right combination of business communication functionality. With their sleek, global styling and user interface, and availability in white or black, these telephones look great in any location.








PARTNER telephones have a sleek, modern design and improved tactile feel complete with enhanced buttons and a new handset. PARTNER telephones are perfect for price-sensitive customers that want to take full advantage of PARTNER's comprehensive feature set.

	Digital	Digital	Digital	Digital	Digital	Digital	Digital	
	4424LD+	4424D+ (4412D+*)	4406D+	4400D	34D	18D	6D	
Overview								
	Receptionist or Executive set.	Designed for demanding users needing quick access to features.	Digital telephone with 8 Fixed feature keys, 6 Programmable feature keys.	Basic digital single line set.	"Executive" or "Receptionist" set designed for those whose phone is critical in their business life.	Standard business set for those who use their phone everyday.	Basic business set for non-intensive use.	
	Material Code ¹	108429598 (White) 108429580 (Black)	108199076 (White)* 108199084 (Black)*	108199019 (White) 108199027 (Black)	108198987 (White) 108198995 (Black)	700340227 (Black) 700340243 (White)	700340193 (Black) 700340219 (White)	700340169 (Black) 700340185 (White)
Features	Context Sensitive User Interface							
	Speakerphone	✓	✓	✓		✓	✓	
	High Fidelity Audio							
	Headset Interface	✓	✓	✓	✓	✓	✓	
	Call Log					✓	✓	
	Integrated Speed Dial/Contacts	48	24	24	24	20	20	
	Administered Call Appearances/Features Accessible	24	24	6		36	20	
	Message Waiting LED	✓	✓	✓	✓	✓	✓	
	Visual Alerting	✓	✓	✓	✓	✓	✓	
Display	Vacuum Florescent Display	LCD	LCD	LCD	Backlit LCD	Backlit LCD	Backlit LCD	
User Interface	Display Size (cm, w x h)	9.8 x 6.0	9.3 x 1.5	5.9 x 1.4	5.9 x 1.4	8.8 x 1.2	8.8 x 1.2	5.6 x 1.2
	Display Resolution	7 x 24 characters	2 x 24 characters	2 x 16 characters	2 x 16 characters	2 x 24 characters	2 x 24 characters	2 x 16 characters
	Fixed Feature Buttons	8	8	8	6	10	10	10
	Softkey Buttons	10	4	0	0	4	4	
	Administered Call Appearance/Feature Buttons	24	24	6		36	20	4
	Administered Call Appearance/Feature Expansion Unit	150 Buttons, DSS4450, 108199696 (Black), 108199407 (White)	150 Buttons, DSS4450, 108199696 (Black), 108199407 (White)			48 Buttons, CA-48, 700353618 (Blk), 700345515 (Wh)	48 Buttons, CA-48, 700353618 (Blk), 700345515 (Wh)	
	Call Appearance/Feature LEDs	24	24 (*12 for 4412D+)	6		32	16	4
	Multi-Language Support	✓	✓	✓	✓	✓	✓	✓
	4-way Navigation Cluster	✓	✓					
	2-way Navigation Cluster							
Specifications	Communication Protocol	TDM	TDM	TDM	TDM	TDM	TDM	TDM
	Voice Codecs							
	Ethernet Switch							
	QoS Support (802.1 p/Q DiffServ)							
	Adapter Ports							
	Gigabit Adapter Available							
	USB Port							
	Power Class							
Upgradeable to VPN Phone Firmware								
WML Application Interface								
Communication System Compatibility	MERLIN MAGIX™	IPO 1.0 and above, MERLIN MAGIX	IPO 1.0 and above, MERLIN MAGIX	MERLIN MAGIX	PARTNER ACS™, MERLIN MAGIX	PARTNER ACS, MERLIN MAGIX	PARTNER ACS, MERLIN MAGIX	

*The 4412D+ is similar to the 4424D+ except the 4412D+ has fewer buttons with LED's and some UI differences. Picture and Material Codes are for the 4424D+. 4412D+ Material Codes are 108199043 (White) 108199050 (Black). *Please go to www.Avaya.com for details.

INTEGRAL T3 DIGITAL AND IP PHONES (EMEA AND CALA)

The Integral T3 phone family offer innovative solutions to meet all your requirements. Linked into a modular concept, various ISDN or IP levels of comfort can be optimally adapted to suit any work situation.

	IP	IP	IP	Digital (UpN and SO)	Digital (UpN and SO)	Digital (UpN and SO)	Digital (UpN)
	T3 IP Comfort	T3 IP Classic	T3 IP Compact	T3 Comfort	T3 Classic	T3 Compact	E3 Digital
Overview							
	Top-line IP phone for demanding, power users and teams.	Targeted for demanding users needing more on-screen quick-access.	Basic IP phone for users needing only limited features.	Top-line phone for demanding, power users and teams.	Targeted for demanding users needing more on-screen quick-access.	Basic phone for users needing only limited features.	Basic phone without display for lobbies, common areas.
Material Code¹	4999103639 (graphite grey) 4999103638 (polar white)	4999103630 (graphite grey) 4999103629 (polar white)	4999103624 (graphite grey) 4999103623 (polar white)	4999107436 (graphite grey) 4999107435 (polar white)	4999107427 (graphite grey) 4999107426 (polar white)	4999107381 (graphite grey) 4999107382 (polar white)	4999107488 (graphite grey) 4999107488 (polar white)
Features	Context Sensitive User Interface	✓	✓	✓	✓	✓	
	Speakerphone	✓	✓	✓	✓	✓	
	Headset Interface	✓	✓	✓	✓	✓	
	Call Log	✓	✓	✓	✓	✓	
	Integrated Speed Dial/Contacts	100	100	100	100	100	
	Message Waiting LED	✓	✓	✓	✓	✓	✓
	Visual Alerting	✓	✓	✓	✓	✓	✓
	Display	Monochrome Graphic	Monochrome Graphic	Monochrome	Monochrome Graphic	Monochrome Graphic	Monochrome
User Interface	Display Size (cm, w x h)	11.8 x 8.8	9.5 x 2.6	8.5 x 1.4	11.8 x 8.8	9.5 x 2.6	8.5 x 1.4
	Display Resolution	17 x 40 characters	4 x 26 characters	1 x 24 characters	17 x 40 characters	4 x 26 characters	1 x 24 characters
	Fixed Feature Buttons	5	5	5	5	5	4
	Softkey Buttons	10	4		10	4	
	Administered Partner Line/Feature	14	8	5	14	8	5
	Administered Partner/Line/Feature Expansion Base Unit	36 Buttons*** (4999107455 polar white 4999107456 graphite grey)	36 Buttons*** (4999107455 polar white 4999107456 graphite grey)	36 Buttons** (4999107455 polar white 4999107456 graphite grey)	36 Buttons*** (4999107455 polar white 4999107456 graphite grey)	36 Buttons*** (4999107455 polar white 4999107456 graphite grey)	36 Buttons** (4999107455 polar white 4999107456 graphite grey)
	Administered Partner/Line/Feature Expansion Extension Unit	36 Buttons****	36 Buttons****	2 units, each 36 Buttons**	36 Buttons****	36 Buttons****	2 units, each 36 Buttons**
	Partner/Line/Feature LEDs	6	6	2	6	6	2
	Multi-Language Support	✓	✓	✓	✓	✓	✓
	4-way Navigation Cluster	✓	✓	✓	✓	✓	✓
Specifications	Colour	Graphite Grey or Polar White	Graphite Grey or Polar White	Graphite Grey or Polar White	Graphite Grey or Polar White	Graphite Grey or Polar White	Graphite Grey or Polar White
	Communication Protocol	H.323 Avaya Tunneling	H.323 Avaya Tunneling	H.323 Avaya Tunneling	UpN, So TNIR6	UpN, So TNIR6	UpN, So TNIR6
	Voice Codecs	G.711, G.729A	G.711, G.729A	G.711, G.729A	G.711	G.711	G.711
	Ethernet Switch	✓	✓	✓			
	GoS Support (802.1 p/Q DiffServ)	✓	✓	✓			
	VLAN (Virtual Local Area Network) According to 802.1 p/Q DiffServ)	✓	✓	✓			
	Adapter Ports	Audio	Audio	Audio	CTI, Audio, Analog, SO	CTI, Audio, Analog, SO	CTI, Audio, Analog, SO
	Communication System Compatibility	Integral 5, Integral 55, IPO 3.2 and above	Integral 5, Integral 55, IPO 3.2 and above	Integral 5, Integral 55, IPO 3.2 and above	Integral 5, Integral 55, IPO 3.1 and above	Integral 5, Integral 55, IPO 3.1 and above	Integral 5, Integral 55, IPO 3.1 and above





** Connection to I5 and IP Office

*** Connection to I5, IP Office and I55

**** Connection to I5 and IP Office: 2 Units, each 36 Buttons Connection to I55: 1 Unit, 36 Buttons


AVAYA QUICK EDITION

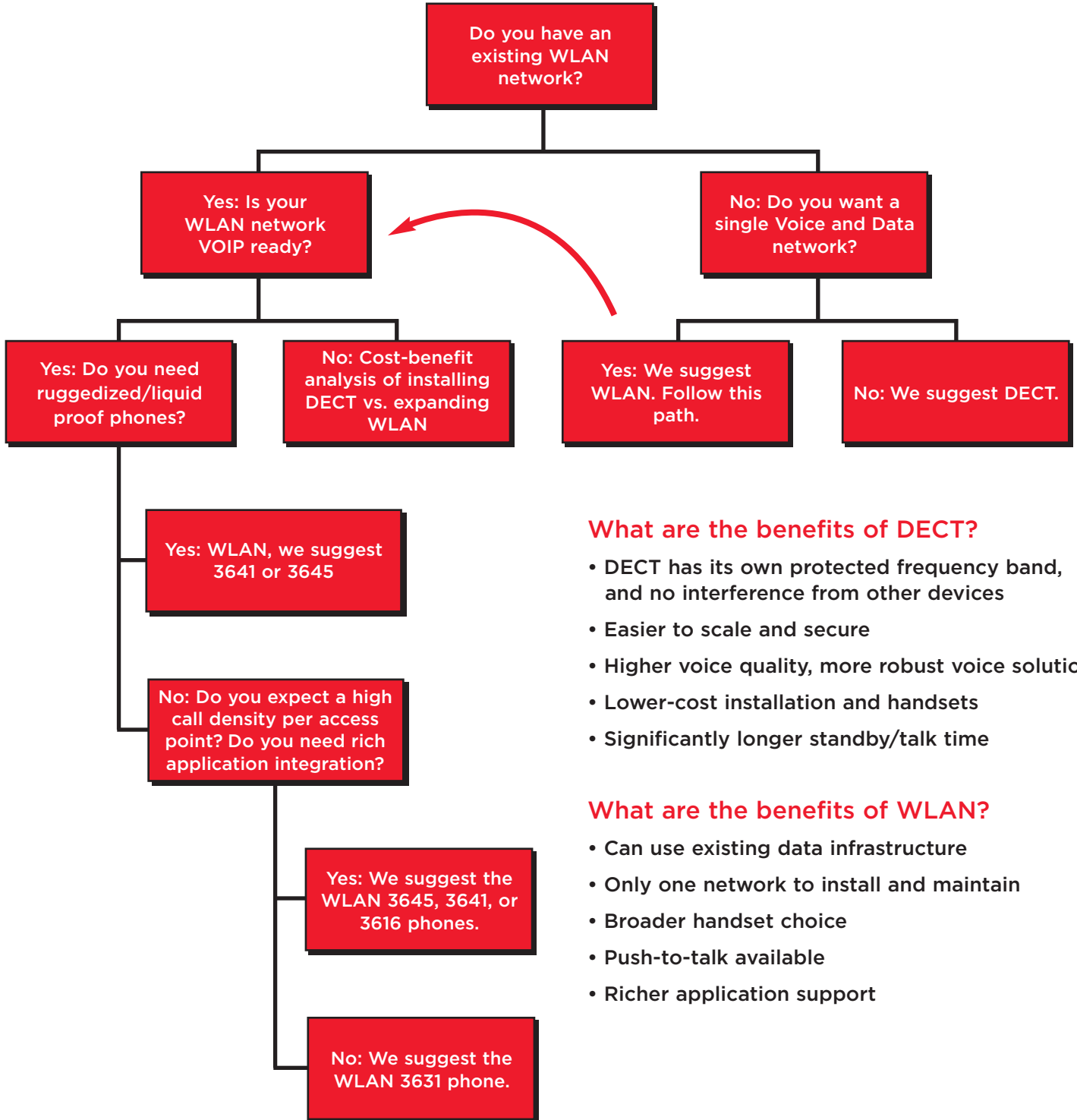
Quick Edition is a complete business communications system for small offices, which requires phones only - no servers needed. Ideal for small businesses or branches of large businesses.

		IP	IP			
		QE4621 IP Phone	QE4610 IP Phone	G11 PSTN Gateway	G20 ISDN Gateway	Quick Edition - Business Communications System
Overview						
		Designed for demanding users needing more on-screen quick-access	Mid-range business set for everyday use.			
	Material Code ¹	700426034	700426026	700426018, 700432255	700429814	
Features	Context Sensitive User Interface	✓	✓	<p>The PSTN Gateway allows up to 4 local landlines to connect to Quick Edition for inbound and outbound calling through the PSTN. It also provides Music-on-hold and External Paging. The G11 plugs into the same LAN switch as the phones and scales up to 5 units per system.</p> <p>The G20 BRI ISDN Gateway connected Quick Edition to 2 ISDN lines for inbound and outbound calling. The G20 plugs into the same LAN switch as the phones and scales up to 5 units per system.</p>	<p>The G20 BRI ISDN Gateway connected Quick Edition to 2 ISDN lines for inbound and outbound calling. The G20 plugs into the same LAN switch as the phones and scales up to 5 units per system.</p>	<p>Quick Edition is a complete business communications system for small offices, which requires phones only - no servers needed. The phones contain all PBX functionality. They plug into an existing LAN and recognize each other automatically. The system delivers the professional features today's businesses need:</p> <ul style="list-style-type: none"> • Auto-Attendant and Voicemail • 4-port Analog Telephone Adapter available • Call conferencing, transferring, forwarding, and much more... <p>Quick Edition can place and receive phone calls using local landlines, or VOIP trunks from authorized service providers.</p> <p>Quick Edition is a great solution for small businesses, as well as branch offices of large enterprises. Enterprises can take advantage of Avaya solutions based on Quick Edition such as SIP-trunking to SIP Enablement Services and Communications Manager, which connects all the branches of an enterprise together on one dial-plan.</p> <p>To find out more about Quick Edition, visit www.avaya.com/quickedition.</p>
	Speakerphone	✓	✓			
	High Fidelity Audio					
	Headset Interface	✓	✓			
	Call Log	✓	✓			
	Integrated Speed Dial/Contacts	100	100			
	Administered Call Appearances/Features Accessible	4	3			
	Message Waiting LED	✓	✓			
	Visual Alerting	✓	✓			
	Display	Monochrome	Monochrome			
User Interface	Display Size (cm, w x h)	7.4 x 1.6	8.2 x 4.4			
	Display Resolution	2 x 24 characters	168 x 80 pixels			
	Fixed Feature Buttons	10	10			
	Softkey Buttons	6	6			
	Administered Call Appearance/Feature Buttons	4	3			
	Administered Call Appearance/Feature Expansion Unit					
	Call Appearance/Feature LEDs					
	Multi-Language Support	✓	✓			
Specifications	4-way Navigation Cluster					
	2-way Navigation Cluster	✓	✓			
Specifications	Communication Protocol	SIP	SIP			
	Voice Codecs	G.711, G.729A/B	G.711, G729A/B			
	Ethernet Switch	1	1			
	QoS Support (802.1 p/Q DiffServ)	VLAN Tagging	VLAN Tagging			
	Adapter Ports					
	Gigabit Adapter Available					
	Integrated Gigabit Adapter					
	USB Port					
Power Class	2	2				

PHONE APPLICATIONS

Delivering the Value of VoIP and IP Telephones

	Avaya VPNremote™ 4600 Series IP Telephones	IP Phone Applications	Avaya one-X Deskphone Edition – SIP
Material Code¹	 196727	Application dependent	No cost firmware download
Overview	<p>A software VPN (virtual private network) client built directly into the Avaya 4600 series IP Telephone. Allows employees to plug Avaya IP Telephone at home or anywhere in the World and use corporate phone network with any broadband Internet connection.</p>	<p>With the Avaya implementation of unified communications and IP telephony, deskphones can move beyond use as exclusively voice communication devices. Avaya Phone Applications allow our 9600 series and 4600 series IP Telephones to become multi-function intelligent endpoints. 3rd party application developers, who are members of Avaya's Developer Connection program offer unique application to meet specific business or industry requirements.</p>	<p>Avaya one-X Deskphone Edition telephones set the new standard for end user productivity with high fidelity audio, an intuitive context sensitive display, phone models designed specifically for user profiles, and a modular, flexible architecture allowing for enhanced total cost of ownership. With the latest release of SIP telephone firmware, the Avaya 9620, 9630, and 9640 telephones deliver best-in-class SIP telephony along with powerful application capabilities. Upgrading to the SIP version of phone firmware for 9600 Series telephones is simple and free of charge – providing great flexibility and investment protection.</p>
Example	<p>Scenario: Teleworkers For full time work at home associates as well as those teleworking part time or simply extending their work day, VPNremote software allows end users to take advantage of all the benefits of their Avaya 4600 Series IP Telephone from home.</p> <p>Scenario: Home Agents For companies that deploy Home Contact Center Agents – whether full time or on an exception basis – such as inclement weather, snowfall or other conditions making it challenging for support representatives to travel to the center – VPNremote and Avaya 4600 Series IP Telephones provide the sound quality and reliability that Contact Centers require.</p> <p>Scenario: Business Continuity/Disaster Recovery Beyond all its uses in home environments, VPNremote and the 4600 Series IP Telephones create a very flexible and powerful Business Continuity/Disaster Recovery solution.</p>	<p>Citrix Systems, through an OEM agreement provides the Avaya AG-250 and Avaya Phone Application Suite – a powerful suite of voice and data applications for Avaya 4600 Series and 9600 Series IP Telephones including directory look-up, broadcast alerts and click to call.</p> <p>Radiance Communications in Asia is tapping the power of IP telephone to develop a range of customer information services that are accessible via the browser of Avaya IP telephones. From meeting reminders, streaming news headlines, weather and flight information and beyond.</p> <p>Computer Instruments Inc. has created a range of applications for the education market. SDC Solutions offers applications for the healthcare industry that automate the task of tracking personnel schedules.</p> <p>LiteScape Technologies is delivering retail applications for credit card scanning, time-clock check-in, SKU lookup and corporate directories.</p>	<ol style="list-style-type: none"> 1. Local SIP presence information – displayed within the phone Contact List. Allows end users to view telephone presence of co-workers. 2. Calendar button can be programmed to link to your Microsoft Exchange server and display your next five meetings. You can even dial the meeting phone number automatically. 3. Changeable telephone background display skins. With SIP software on the 9600 telephones, users can personalize their phone displays with choices of skins and background images – including company logos. 4. Changeable screen saver enhanced with your background image or company logo, as well as date and time.
Supported Models	VPNRemote is supported on the 4610SW, 4620SW, 4621SW, 4622SW and 4625SW models	9600 and 4600 series IP Telephones	9620, 9630, and 9640



What are the benefits of DECT?







- DECT has its own protected frequency band, and no interference from other devices
- Easier to scale and secure
- Higher voice quality, more robust voice solution
- Lower-cost installation and handsets
- Significantly longer standby/talk time

What are the benefits of WLAN?

- Can use existing data infrastructure
- Only one network to install and maintain
- Broader handset choice
- Push-to-talk available
- Richer application support

IP WIRELESS TELEPHONES, VoWLAN

The Avaya IP Wireless Phone Solution is designed for the Enterprise Networks of today and tomorrow. Based on the global standards for wireless LANs, the Wireless Phone Solution simplifies network infrastructure by combining voice and data traffic over the same wireless network.

	3645	3641	3626	3620	3616	3631	
							
	Advanced phone for industrial and healthcare solutions	Standard phone for industrial and healthcare solution	Advanced phone for industrial and healthcare solutions	Standard phone for healthcare solution	Standard phone for office environment	Top-line phone for office solutions	
Material Code¹	700430416	700430408	700413024	700413065	700413040	700427917	
Handset Features	Context Sensitive User Interface					✓	
	Speakerphone	✓	✓			✓	
	Headset Interface	✓	✓	✓	✓	✓	
	Contact List					✓	
	Phone Book					✓	
	Display Languages	1	1	1	1	1	5
	Ringing Tones	Customizable Ringtones	Customizable Ringtones	Customizable Ringtones	1	1	5
	Vibrating Ringer Option	✓	✓	✓	✓	✓	✓
	Push to Talk	✓		✓			
	Number of Push to Talk Channels	24+1 Priority Channel		8 Channel			
	Talk Time	Standard: 4 hrs Enhanced: 6 hrs Ultra Enhanced: 8 hrs	Standard: 4 hrs Enhanced: 6 hrs Ultra Enhanced: 8 hrs	4 hrs	4 hrs	4 hrs	4 hrs
	Standby Time	Standard: 80 hrs Enhanced: 120 hrs Ultra Enhanced: 160 hrs	Standard: 80 hrs Enhanced: 120 hrs Ultra Enhanced: 160 hrs	80 hrs	80 hrs	80 hrs	40 hrs
	Charging Time	Standard: 2 hrs Enhanced: 3 hrs Ultra Enhanced: 4 hrs	Standard: 2 hrs Enhanced: 3 hrs Ultra Enhanced: 4 hrs				
	Battery	Li-ion	Li-ion	Ni-Mhd	Ni-Mhd	Ni-Mhd	Li-ion
	Protection Class	IP 53	IP 53				
	Display	Backlit Black & White	Backlit Black & White	Alphanumeric	Backlit	Alphanumeric	Color
	Display Resolution	128 x 96 pixel	128 x 96 pixel	2 x 16 characters + status indicators	2 x 16 characters + status indicators	2 x 16 characters + status indicators	128 x 128 pixel
	Weight	120 gr (w. Std. Batt. Pack)	112 gr (w. Std. Batt. Pack)	170 gr	119 gr	119 gr	106 gr
	Dimensions (cm, h x w x l)	14.5 x 4.7 x 2.3	13.8 x 4.7 x 2.3	15 x 5.6 x 2.5	14 x 5.1 x 2.3	14 x 5.1 x 2.3	13.9 x 4.6 x 1.7
	Fixed Feature Buttons	4	4	4	4	4	2
Softkey Buttons	4	4	2	2	2	2	
4-way Navigation Cluster	✓	✓				✓	
2-way Navigation Cluster			✓	✓	✓		
GAP (Generic Access Profile)							
Key Lock	✓	✓	✓	✓	✓	✓	
WML Application Interface						WML Browser	
Specifications	Communication Protocol	WLAN	WLAN	WLAN	WLAN	WLAN	WLAN
	Radio Frequency	802.11a/b/g	802.11a/b/g	802.11b	802.11b	802.11b	802.11b/g
	Encrypted Connections	✓	✓	✓	✓	✓	✓
	Roaming	✓	✓	✓	✓	✓	✓
	Handover	✓	✓	✓	✓	✓	✓
	Supported Access Points	Meru Networks Wireless LAN System with AP 150, Aruba Mobility Controllers 200, 800, 2400, 6000 with AP 41, 60, 61, 65, 70, as well as solutions from 3COM, Alcatel-Lucent, BelAir, Bluesocket, Cisco, Colubris Networks, Extreme Networks, Nortel, Siemens, Motorola, and Trapeze Networks. Please see support.avaya.com for full details.					Any Access point that supports WMM Basic
	QoS Support (802.1 p/Q DiffServ)	SVP (requires AVPP Server)	SVP (requires AVPP Server)	SVP (requires AVPP Server)	SVP (requires AVPP Server)	SVP (requires AVPP Server)	WMM-Basic
	Application Middleware Server	Open Application Interface (OAI) Server. Material Codes are 700413107, 700413115, 700413123, 700419633, and 700419641 depending on the number of phones supported.					
Communication System Compatibility	CM 2.2 and above, IPO 4.0 and above	CM 2.2 and above, IPO 4.0 and above	CM 2.2 and above, IPO 2.0 and above	CM 2.2 and above, IPO 3.2 and above	CM 2.2 and above, IPO 2.0 and above	CM 3.0 and above	

IP DECT SOLUTIONS





The Avaya IP DECT solution delivers secure, scalable and reliable high-quality wireless voice communications to organizations ranging from small business to large enterprises. It leverages Digital Enhanced Cordless Telecommunications (DECT), a proven wireless communications technology. DECT is ideal for secure, high-quality, high-density voice communications.

	IP DECT Phones	IP DECT Phones	IP DECT Base Station	IP DECT Base Station	IP DECT Phones	IP DECT Base Station	IP DECT Base Station
	3711	3701	RFP32	RFP34	3711NAR	RFP32NAR	RFP34NAR
Overview							
	High End phone with full feature functions	Basic phone with basic functions	Indoor Base Station	Outdoor Base Station (also indoor use with external Antenna)	High End phone with full feature functions	Indoor Base Station	Outdoor Base Station (also indoor use with external antennae)
Material Code ¹	700346810	700346802	700420789	700420797	700430267	700430275	700430283
Handset Features	Context Sensitive User Interface	✓	✓		✓		
	Speakerphone	✓	✓		✓		
	Headset Interface	✓			✓		
	Contact List	✓	✓		✓		
	Phone Book	100 Entries	50 Entries		100 Entries		
	Display Languages	10	12		10		
	Ringling Tones	30	10		30		
	Vibrating Ringer Option	✓					
	Push to Talk						
	Number of Push to Talk Channels						
	Talk Time	20 hrs	20 hrs		20 hrs		
	Standby Time	200 hrs	200 hrs		200 hrs		
	Charging Time	6 hrs	6 hrs		6 hrs		
	Battery	3 AAA (NiMH)	3 AAA (NiMH)		3 AAA (NiMH)		
	Protection Class	IP 50	IP 50		IP 50		
	Display	Backlit 5-line graphic display	Backlit 3-line graphic display		Backlit 5-line graphic display		
	Display Resolution	96 x 60 pixel	96 x 33 pixel		96 x 60 pixel		
	Weight	138 gr included Batteries	138 gr included Batteries		138 gr included Batteries		
	Dimensions (cm, h x w x l)	14.6 x 5.5 x 2.8	14.6 x 5.5 x 2.8		14.6 x 5.5 x 2.8		
	Fixed Feature Buttons	4	4		4		
Softkey Buttons	2	2		2			
4-way Navigation Cluster							
2-way Navigation Cluster	✓	✓		✓			
GAP (Generic Access Profile)	✓	✓		✓			
Key Lock	✓	✓		✓			
WML Application Interface	✓			✓			
Specifications	Communication Protocol	DECT	DECT	IP/DECT	IP/DECT	DECT	IP/DECT
	Radio Frequency	1880-1900MHz	1880-1900MHz	1880-1900MHz	1880-1900MHz	1920-1930MHz	1920-1930MHz
	Average Transmission Power	10 mW	10 mW	10 mW/ch	10 mW/ch	4 mW	4 mW/ch
	Encrypted Connections			✓	✓		✓
	DFS (Dynamic Frequency Selection)			✓	✓		✓
	Roaming	✓	✓	✓	✓	✓	✓
	Handover	✓	✓	✓	✓	✓	✓
	Voice Channels			8	8		8
	Signalling Channels			4	4		4
	Supported Base Stations			CM: up to 256 IPO: up to 32	CM: up to 256 IPO: up to 32		CM: up to 256 IPO: up to 32
	Supported Handsets			CM: up to 16,320 IPO: up to 120	CM: up to 16,320 IPO: up to 120		CM: up to 16,320 IPO: up to 120
	PoE			Standard, Optional: via external Power Supply	Standard		Standard, Optional: via external Power Supply
	External Antennas				Optional		Included
GoS Support (802.1 p/Q DiffServ)	Not necessary as DECT is Optimized for Voice.						
Communication System Compatibility	CM - 3.1.2 and above, IPO 3.1 and above	CM - 3.1.2 and above, IPO 3.1 and above	CM - 3.1.2 and above, IPO 3.1 and above	CM - 3.1.2 and above, IPO 3.1 and above	CM 4.0 and above, IPO 4.0 or above	CM 4.0 and above, IPO 4.0 or above	CM 4.0 and above, IPO 4.0 or above




























DECT SOLUTIONS

The Avaya Digital DECT solution delivers secure, scalable and reliable high-quality wireless voice communications to organizations ranging from small business to large enterprises. It leverages Digital Enhanced Cordless Telecommunications (DECT), a proven wireless communications technology. DECT is ideal for secure, high-quality, high-density voice communications.

Digital DECT Phones
Digital DECT Phones
Digital DECT Base Station
Digital DECT Base Station

Overview	DECT D3	FC1 Ex	RM617	RM717
				
	Phone is for standard and industrial solutions	Phone for industrial DECT solutions with special requirements to explosion protection	Indoor Base Station to connect DECT D3 or FC 1 Ex phones	Outdoor Base Stations to connect DECT D3 or FC 1 Ex phones (also indoor use with external antenna)
Material Code¹	4999109226	4999109472	4999117297	4999117298
Handset Features				
Context Sensitive User Interface	✓	✓		
Speakerphone	✓	✓		
Headset Interface	✓	No		
Contact List	✓	✓		
Phone Book	250 Entries	250 Entries		
Display Languages	12	11		
Ringing Tones	30	10		
Vibrating Ringer Option	✓	✓		
Push to Talk				
Number of Push to Talk Channels				
Talk Time	8 hrs	8 hrs		
Standby Time	80 hrs	80 hrs		
Charging Time	5 hrs	5 hrs		
Battery	NiMH	NiMH		
Protection Class	IP 65	IP 65 Ex T4		
Display	Backlit 4-line graphic display	Backlit 4-line graphic display		
Solutions				
Display Resolution	4 x 32 characters	4 x 32 characters		
Weight	100 gr included Batteries	100 gr included Batteries		
Dimensions (cm, h x w x l)	13.7 x 4.6 x 2.1	13.7 x 4.6 x 2.1		
Fixed Feature Buttons	5	5		
Softkey Buttons	2	2		
4-way Navigation Cluster				
2-way Navigation Cluster	✓	✓		
GAP (Generic Access Profile)	✓	✓		
Key Lock	✓	✓		
WML Application Interface				
Communication Protocol	DECT	DECT	ISDN/DECT	ISDN/DECT
Radio Frequency	1880-1900MHz	1880-1900MHz	1880-1900MHz	1880-1900MHz
Average Transmission Power	10 mW	10 mW	10 mW/ch	10 mW/ch
Encrypted Connections				
DFS (Dynamic Frequency Selection)				
Roaming	✓	✓	✓	✓
Handover	✓	✓	✓	✓
Voice Channels			8	8
Signalling Channels			4	4
Supported Base Stations			I5E: 32, I5D: 8. I55: 2000	I5E: 32, I5D: 8. I55: 2000
Supported Handsets	I5: 96, I55: 5000	I5: 96, I55: 5000		
PoE				
External Antennas				✓
GoS Support (802.1 p/Q DiffServ)	Not necessary as DECT is Optimized for Voice.			
Communication System Compatibility	Integral 5, Integral 55	Integral 5, Integral 55	Integral 5, Integral 55	Integral 5, Integral 55

HEADSETS

Product Description	Picture	Material Code ¹	Noise Canceling	One Ear Headband	Two Ear Headband	Over the Ear	Advanced Features	
Corded Headsets								
Encore Ultra II NC [KS23822]		Non-EMEA: 407547074 EMEA: 700413974	✓		✓		Tone Control	
Encore Ultra II VT [KS23822]		Non-EMEA: 408021095 EMEA: 700413883			✓		Tone Control	
Encore Ultra NC [KS23822]		Non-EMEA: 408020980 EMEA: 700413867	✓	✓			Tone Control	
Encore Ultra VT [KS23822]		Non-EMEA: 408021004 EMEA: 700413982		✓			Tone Control	
Supra Elite Bi NC [AH460N]		Non-EMEA: 700343742 EMEA: 700413958	✓		✓			
Supra Elite Bi VT [AH460]		Non-EMEA: 700343734 EMEA: 700413941			✓			
Supra Elite Mon NC [AH450N]		Non-EMEA: 700343726 EMEA: 700413933	✓	✓				
Supra Elite Mon VT [AH450]		Non-EMEA: 700343718 EMEA: 700413925		✓				
SupraElite Wideband Bi NC [AW460N]		Non-EMEA: 700413529 EMEA: 700413545	✓		✓		Wideband *for 9600 series phones	
SupraElite Wideband Mon NC [AW450N]		Non-EMEA: 700413511 EMEA: 700413537	✓	✓			Wideband *for 9600 series phones	
Tri-Star Ultra NC [KS23822]		Non-EMEA: 408020758 EMEA: 700414006	✓			✓		
Tri-Star Ultra VT [KS23822]		Non-EMEA: 407547058 EMEA: 700413966				✓		
Wireless Headsets								
AWH-55 Wireless Headset - NAR & CALA		700340870	✓	✓		✓	300 Foot Range, Electronic Hook Switch Control, No Lifter Required. Phone Dependent. Please go to www.Avaya.com for details.	
AWH-65 Wireless Headset		UK: 700413800 EMEA: 700413818	✓	✓		✓		
AWH-54 Wireless Headset* Requires LHL1 Lifter: 700414105 - NAR & CALA		700373301	✓	✓		✓		
AWH-75 Executive Wireless Headset		NAR: 700420334 UK: 700420342 EMEA: 700420359				✓		
SupraElite Wireless Monaural		NAR: 700420276 UK: 700420284 EMEA: 700420292	✓	✓				
SupraElite Wireless Binaural		NAR: 700420300 UK: 700420318 EMEA: 700420326	✓		✓	✓		
Bluetooth Wireless Headsets								
ABT-35S Headset & Base - NA		NAR: 700382435 UK: 700414014 EURO: 700414022	✓			✓	30 Foot Range, Multi-Point, Electronic Hook Switch Control, No Lifter Required. Phone Dependent.	
Computer Headsets								
AVDSP400 [Stereo Corded Headset]		700414071	✓		✓			
AWH-55 USB Wireless Headset		700373335	✓	✓		✓		
AWH-65 USB Wireless Headset - UK		UK: 700413826 EURO: 700413834	✓	✓		✓		
QD to USB Adapter Cable *Allows wired headset connection to PC		700414139						
Headset Accessories								
HIC Cord - 64xx, 24xx, 4610/20/21/22/25 Series		700414089	See Headset Compatibility Chart					
HIP Cord - 4612/24/30 Series		700414121						
HIS Cord - 9600 Series		700409881						
M12LUCM network Amp CCC/CE headset adapter for all terminals		700414147						

HEADSETS MATRIX

	Wired Headset Solution			Wireless Headset Solution
Desktop Phones	Cable	Adapter	Headset	Headset (No Cable or Adapter needed)
9650/9640/9640G/9630/9630G/9620***	HIS	X	Any Wired Headset	Any Wireless headset, except AWH-54
9610	X	M12LUCM	Any Wired Headset	AWH-54
6424D+M/6416D+M	HIC Cable (700414089)	or M12LUCM	Any Wired Headset	Any Wireless headset, except AWH-54
6424D+/6416D+/6408D+/6408+6402D/6402	X	M12LUCM	Any Wired Headset	AWH-54
4630SW	HIP	X	Any Wired Headset	Any Wireless headset, except AWH-54
4625SW/4621SW/4610SW**	HIC	X	Any Wired Headset	Any Wireless headset, except AWH-54
4622SW	HIC	X	Any Wired Headset	Any Wireless headset, except AWH-54
4620SW*,**	See footnote	X	Any Wired Headset	Any Wireless headset, except AWH-54
4624/4612/4606	HIP	or M12LUCM	Any Wired Headset	AWH-54
4602/4601	X	M12LUCM	Any Wired Headset	AWH-54
2420/2410**	HIC Cable (700414089)	or M12LUCM	Any Wired Headset	Any Wireless headset, except AWH-54
2402	X	M12LUCM	Any Wired Headset	AWH-54
1616/1608	HIS	X	Any Wired Headset	Any Wireless headset, except AWH-54
1603	X	M12LUCM	Any Wired Headset	AWH-54
Quick Edition QE4610, QE4621	HIC	X	Any Wired Headset	Any Wireless headset, except AWH-54
Wireless Phones	Cable	Adapter	Headset	Headset (No Cable or Adapter needed)
3711/3711NAR	IP DECT HEADSET FOR 3711 (700346950)			NA
3645, 3641, 3626, 3620, 3616	NAR: Supra Mon NC RF NAR: Supra Mon NC RF (407713718), EMEA: Supra Elite Mon NC (700413933) or Supra Elite Bi NC (700413958)			NA
3631	MX256 (700437122)			NA

* HIC on the 4620SW with 1 hole on the lower right side. These are manufactured after Nov. 2004.
 HIP on the 4620SW with 2 holes on the lower right side. These were manufactured before Nov. 2004.
 ** M12LUCM compatible but not required with the release of R2.2
 *** Recommend wideband headset to support superior sound quality

DEFINITIONS

Phone Definitions	
2-Way Navigation Cluster	User interface feature offering quicker, and more intuitive navigations.
4-Way Navigation Cluster	Advanced user interface feature offering quicker, and more intuitive navigations. Similar to a mobile phone, includes 4-way direction keys plus a central “ok” button.
Adapter Ports	Ports built into the phone to provide support for additional future wired and wireless network environments.
Administered Call Appearance/Feature Buttons	Number of buttons that can be programmed as either lines or specific server-based features. The administrator can configure these buttons as either line appearances or server feature access.
Administered Call Appearance/Feature Expansion Unit	Avaya’s expansion unit is used to increase the number of speed dial and programmable feature buttons available.
Administered Call Appearance/Features Accessible	Number of server-based features/lines a phone can access. This is a combination of the number of Administered Call Appearance/Feature buttons and the number of choices per button available either by scrolling or paging. The administrator can configure these keys as either line appearances or server feature access.
Call Appearance/Feature LEDs	Number of LEDs either by themselves or embedded in a button used to indicate Call Appearances or Feature LEDs.
Call Log	A history of missed, answered, and outgoing phone calls.
Communication Protocol	H.323 is an International Telecommunication Union (ITU) standard, while SIP is an Internet Engineering Task Force (IETF) standard.
Communication System Compatibility	Describes which Avaya servers the phones are compatible with. Listing represents the earliest server version the phone is compatible with. Avaya phones are forward compatible. For example, the 9630 works with CM 3.0 and all later revisions. MVE stands for MultiVantage Express. CM stands for Communication Manager.
Context Sensitive User Interface	An advanced UI feature whereby the softkeys change depending on the state of the phone. For example, when the phone is being used, transfer and conference will appear on the softkeys.
Display	Monochrome = Black Only, Grayscale = Shades of Gray and Black, Color
Display Resolution	The number of pixels or characters on the display.
Display Size (cm, w x h)	Size of the display, width and height in centimeters.
Ethernet Switch	An Ethernet port that allows you to run one Ethernet cable to your phone, and then connect your PC direct to your phone, reducing cabling to the desktop.
Fixed Feature Button	Number of hard coded buttons on the phone used for features like Mute, Speaker etc.
Gigabit Adapter Available	Provides Gigabit Ethernet connectivity to a phone via an optional adapter (sold separately).
Headset Interface	A port for a headset to be plugged into. The 9600 series support wideband headsets.
High Fidelity Audio	An advanced feature offering high-quality, wider audio response to your calls. Reduces “listener fatigue” and results in more effective communication. Only available on 9600 series phones.
Integrated Speed Dial/Contacts	Phone stores a customizable list of numbers to speed dial. Used to store frequent contacts. This is separate from the corporate directory.
Message Waiting LED	An LED alerting the user when he or she has unheard voicemails in his or her voicemail box. The 9600 family has two LED’s for increased visibility.
Multi-Language Support	Please go to www.avaya.com for a list of languages supported.
Avaya one-X Quick Edition Version Available	This phone hardware is available as a separately orderable part, pre-installed with Avaya one-X Quick Edition software—Avaya’s peer-to-peer solution for small offices embedding all the functionality of an IP-PBX in the phones, eliminating the need for a central server.
Power Class	Defined in the POE Standard. Following are the maximum power levels of the powered device. Class 0: 0.44 W to 3.84 W, Class 2: 3.84 W to 6.49 W, Class 3: 6.49 W to 12.95 W.
QoS Support (802.1p/Q DiffServ)	A standard for quality of service over IP phone systems.
Regions	EMEA is Europe, Middle East, and Africa. APAC is Asia Pacific. NAR is North America. CALA is Central America, Latin America.
Softkey Buttons	Buttons which control options presented on the display; they will vary by screen and are used to access phone controls such as timers.
Speakerphone	Full Duplex means Speak and Listen. Wideband Full Duplex on the 9630, offers high quality, wider audio response for more effective communication. Listen only means it acts as just a speaker.
Supports Phone Application Suite	The phone is capable of being used with Avaya’s Phone Application suite, which offers advanced features to improve user efficiency
Upgradeable to VPN Phone Firmware	VPN Phone is an Avaya Mobility solution allowing anyone with internet access to use their desk phone remotely. Note that this requires a separately purchased license.
USB Port	This port accepts standard USB accessories. For example, a keyboard can be plugged in to easily enter contacts.
Visual Alerting	When a call comes in, the LED on the phone will flash. Useful in crowded environments where noise should be minimized, loud environments where the ringer cannot be heard, and for those with hearing disabilities.
Voice Codecs	Codec used to transmit voice. Each codec has different tradeoff of bandwidth and quality.
WML Application Interface	Advanced feature allowing customized web pages & applications programmed in WML to be presented on the phone.
Integral Definitions	
Administered Partner/Line/Feature Buttons	Number of buttons that can be programmed as either partner, line or specific features.
Administered Partner/Line/Feature Expansion Base Unit	Expansion Base Unit is the Base Unit used to increase the number of speed dial or programmable partner, line or specific feature buttons available.
Administered Partner/Line/Feature Expansion Extension Unit	Expansion Extension Unit is used to increase the number of speed dial or programmable partner, line or specific feature buttons available. It can be connected only to a Expansion Base Unit.
Partner/Line/Feature LEDs	Number of LEDs either by themselves or embedded in a button used to indicate Partner/Line or Feature LEDs.
VLAN (Virtual Local Area Network)	VLAN enables to split the traffic on an IP-Network into several, different Virtual channels. Separating voice and Data into separate networks (virtual) channels enables the network to handle the traffic differently and give priority to voice. Also, the risk of interception and risk of a traffic overflow in one network influencing the other network get’s minimized
Headset Definition	
Tone-Control	Adjust relative volume of bass and treble for enhanced sound.
Noise-Canceling	A microphone design that greatly reduces the transmission of background noise, enhancing headset sound quality. Noise-canceling headsets are especially effective for offices with employees in close proximity to one another. In mobile applications, noise-canceling microphones reduce background noise in cars, airports or on the street.
Multipoint	The ability for the headset to pair with more than one bluetooth device. Allows the same headset to be used with a mobile phone, softphone on a laptop, deskphone, etc.

DEFINITIONS

In-building Wireless Definitions	
2-Way Navigation Cluster	Advanced user interface feature offering quicker, and more intuitive navigations. Similar to a mobile phone, includes 2-way direction keys.
4-Way Navigation Cluster	Advanced user interface feature offering quicker, and more intuitive navigations. Similar to a mobile phone, includes 4-way direction keys.
Average Transmission Power	For a DECT handset, which has a voice link with a base station, the mean transmitting power is approx 10 mW, as transmission only takes place for approx 390µs (packet length 368 µs + amplifier's switching times) within 10 ms and with 250 mW (250 mW * (390 µs / 10 ms) ≈ 10 mW)
Application Middleware Server	A server which acts as the interface between the WLAN phones and any application specific servers.
Battery	Rechargeable power pack.
Charging Time	The time required to fully charge the battery.
Communication Protocol	DECT is an ETSI Wireless Communication Standard while ISDN is a digital European Telephone Standard.
Contact List	A history of missed, answered, and outgoing phone calls.
Context Sensitive User Interface	Based on the status and menu, context of the display will vary.
DFS (Dynamic Frequency Selection)	Enables the System to automatically find an interference free frequency.
Display	The display presents information for the user.
Display Languages	Number of languages the handset supports.
Display Resolution	Defines the resolution of the display in pixels.
Encrypted Connections	DECT allows an additional encryption of the voice connection for higher security.
External Antennas	Antenna that extends beyond the body of the unit itself.
Fixed Feature Buttons	Assigned keys for common features.
GAP (Generic Access Profile)	Supplementary DECT standard, which is intended to secure interoperability between the FPs and PPs of different manufacturers.
Handover	The process of switching over a current connection from one physical channel to another physical channel. A differentiation is made between two physical forms of handover: Handover within the cell (always internal) and handover between the cells (internal or external).
Headset Interface	A port for a headset to be plugged into.
Key Lock	Allows to disable the keypad to protect the user against unwanted calls.
Number of Push to Talk Channels	Number of different channels that a user can listen and talk to when doing Push To Talk.
Phone Book	An integrated phone book.
PoE	Power over Ethernet.
Protection Class	The IP Protection Class defines the protection of a product against Water and Dust. A higher number indicated superior protection.
Push to Talk	Broadcasting the voice of a single user to a list of users that listen to the same channel.
QoS Support	Quality of Service Support.
Radio Frequency	Transmit and receive frequency.
Regions	EMEA is Europe, Middle East, and Africa. APAC is Asia Pacific. NAR is North America. CALA is Central America, Latin America.
Ringling Tones	Signalling an incoming call. Different melodies can be choose by users.
Roaming	The ability to have calls seamlessly transferred from one base station/access point to a neighboring one to allow users to walk freely while on a call.
Signalling Channels	4 of the 12 channels are dedicated for internal use and signalling, i.e. for roaming and handover.
Softkey Buttons	Function of the softkeys will vary by context of the menu.
Speakerphone	Ability of handsets to be used as a speakerphone.
Standby Time	The time a battery supports the device to be powered up, while not on any calls.
Talk Time	The time a battery supports an uninterrupted call.
Vibrating Ringer Option	A vibrator allows the silent signalling of an incoming call.
Voice Channels	This is the non-blocking capacity of each base station. The use of multiple base stations enables the full capacity of a single DECT system to be leveraged (60 channels for NAR and 120 for EMEA).
WML Application Interface	Wireless Markup Language used in mobile phones with Wireless Application Protocol, WAP.

¹ Talk to your sales representative for details on the different Material Codes.

² Benefits listed are for the most recent version of the product.

³ Device support may depend on the device firmware version. Please see support.avaya.com for details and the complete listing.



INTELLIGENT COMMUNICATIONS

avaya.com

© 2007 Avaya Inc. All rights reserved.

Avaya and the Avaya Logo are trademarks of Avaya Inc. and may be registered in certain jurisdictions.

All trademarks identified by ®, TM or SM are registered marks, trademarks, and service marks, respectively, of Avaya Inc. All other trademarks are the property of their respective owners.

