AVAYA

IP Office Product Update

Gigabit Ethernet Adapter
for 4600 & 5600 Series IP Phones

Product Update Number: #3

Product Update Notice

Issued Nov 15th, 2006

SMBS Document Definition:

	Product/Platform Summary	This document is an ongoing, evolving summary incorporating the latest updates on the entire product platform. (e.g. Any version of IP Office). It is global and will note any regional distinctions within.
✔	**Detailed Product Description**	This document is the detailed version of the product/platform summary. It is the "everything you need to know" source for the respective product platform. It is global and will note any regional distinctions within.
	Product Update	**(Formerly known as the Offer announcement.)** **This is a communication that summarizes "what's new" within a given release regarding any changes or enhancements to an existing GA (Generally Available) product.**
	Sale Guide	This document provides coaching on the key selling points to highlight with customers. It typically also includes information pertaining to implementation guidelines and "need to know" facts.

Avaya is proud to announce the availability of the Gigabit Ethernet Adapter for 4600 and 5600 series of phones:

Summary

The Gigabit Ethernet Adapter enables IP Phones to operate in a Gigabit Ethernet environment providing a 10/100Mbps connection to the IP Telephone and a Gigabit connection to a personal computer. It is an un-managed device and is physically stand-alone from the phone. The adapter is compatible with Avaya 4600 & 5600 Series IP Telephones. The adapter will operate off local power or PoE (subject to the phone's power requirements).

Solution Basics

- The adapter is for use with Avaya 4600 & 5600 Series IP Phones with an integrated switch.
- The adapter will be plugged in-front of the phone and pass 10/100/1000Mbps to a PC (or other device).
- The adapter is separate from the phone so that is may sit under the desk and out of the way.

Availability and pricing

- November 2006 general availability (GA).
- NPL: $150 (adapter only – phone & power supply sold separately). Standard IP Phone accessories discounts apply.

Solution Benefit & Advantages

- This adapter will work with the current line of 4600 &5600 IP phones (with an integrated switch), thus protecting customers' investments as they move to Gigabit LANs.
- This is a low-cost migration path for customers looking to add Gig-E to their LANs without having to purchase all new IP Phones or add new Ethernet drops in their facilities – allowing deployment of Gig-E only where needed and effective, instead of requiring a fork-lift upgrade or a general rollout.
- The Ethernet connection to the PC will be unaffected by service availability of the phone.
- By keeping the adapter separate from the phone itself, customers will have more flexibility in deployment and replacement of either unit.

Physical Description

- The adapter will have three Ethernet interfaces:
  - One 10/100/1000 Mbps interface to be used as the line interface for the adapter (Uplink)
  - One 10/100/1000 Mbps interface to be used as a secondary interface for the attachment of a device such as a PC
  - One 10/100 Mbps interface to be used with the existing IP Telephone line cord to connect to the line interface on the telephone
- The adapter will have one 48V DC connector
- Adapter Dimensions: (Length x Width x Height, with integrated stand): 12.1cm x 4.9cm x 9.3cm

Compatibility

The 4600 Gigabit Ethernet Adapter is supported for use with these IP Phones:
- 4602SW, 4602SW+, 4610SW, 4620, 4620SW, 4621SW, 4622SW, 4625SW, 4630SW
- 5602SW, 5602SW+, 5610SW, 5620SW, 5621SW

Note: Other IP phones may also work but are not supported.

The Adapter will operate with Gigabit Ethernet switches that are fully compliant with the IEEE 802.3 standard.

Note: The Avaya-Cajun P580 Gigabit card does not support the Carrier Extend Signal and should not be used in conjunction with this Gigabit Ethernet Adapter.

Powering

Power Input Options

- The adapter may receive power from an IEEE 802.3a/f compliant Endspan Power source.
- The adapter may be powered by an external 1151 type power-injector and special power cord (offered separately). This will be required to power Class 3 phones.

Note: The use of PoE and local power simultaneously is not supported and will prevent the adapter from working properly, nor is it intended to serve as a fail-over option. The power cable must be removed from the Gigabit Ethernet Adapter to allow for use of PoE.

Powering the Phone

- If connected only to a Power over Ethernet Switch, the adapter will power Class 0**,1, and 2 phones.
- If connected to an external power supply, the adapter will power Class 0, 1, 2, or 3 phones.

Phone Model	Phone Power Class	
	Class 2	Class 3
56/4602SW	✓	
56/4602SW+		
56/4610SW	✓	
4620		✓
56/4620SW*	Some	Some
56/4621SW	✓	
4622SW	✓	
4625SW		✓
4630SW		✓

Power Source	Classes Powerable	
	Class 0**,1, 2	Class 3
PoE	✓	
External	✓	✓

*Only some 56/4620SWs are Class 3 – they can be distinguished from Class 2 56/4620SWs by the presence of 2 holes on the microphone cover, which is located on the side of the lower right corner of the phone. The Class 2 56/4620SWs will have only 1 hole.
**Class 0 devices may require use of the local power supply, depending on their power rating.

Management and Ethernet-Switch parameters

- The adapter is "plug and play," requiring no management or special configuration and setup
- The adapter will auto-detect speed and duplex settings.
- The adapter will transfer all critical Ethernet parameter (802.1x, LLDP, VLAN 802.1p/q,BDPU etc) from PC/Phone to uplink and vice-versa.

Included Parts and Separate Accessories

Items included with the 4600 Gigabit Adapter

Quantity	Description	Material code
1	**Gigabit Ethernet Adapter** For 4600 & 5600 IP Phones	700416985
1	Installation & Safety Instructions	Included
1	CAT6 Ethernet Cord (6 feet)	700420847

Items Offered for Sale Separately

When not using an IEEE Std 802.3af compliant switch a Class 3 phone, it will be necessary to purchase local power accessories. This will include the 1151C1/C2 power supply, A/C power cord, and the 4600 Gigabit Adapter Power Cord to connect the 1151C1/C2 power supply and 4600 Gigabit Ethernet Adapter. If the phone is already connected to an 1151B type power supply, only the 4600 Gigabit Adapter Power Cord is required.

Description	Material code	Description	Material code
1151C1/C2 Power Supply	700356447/ 700356454	UK A/C plug	407786599
6 Foot Gigabit Adapter Power Cable	700416993	India A/C plug	407790591
(4600 & 5600 phones only)		Argentina A/C plug	408161453
US A/C plug	405362641	Australia/NZ A/C plug	407786631
EU A/C plug	407786623	Japan A/C plug	700405681

Warranty and Support

- The adapter will be fully supported by Avaya, including the standard 1 year manufacturer's warranty and 3 years of support after an End of Sale announcement.