

## USB Analog Terminal Adapter (ATA) for Nortel

**Algo's USB Analog Terminal Adapter enables the use of a traditional analog wired or cordless telephone, TTY/TDD terminal, fax machine<sup>1</sup>, or other analog device with the following Nortel IP Phones:**

- IP Softphone 2050 (Version 2 B254 or newer) for BCM or CS 1000
- 1100-Series IP Phones equipped with a USB port

For the home office, branch office, or contact center requiring use of a standard wired or cordless analog telephone in conjunction with the IP Softphone (or an 1100-series IP Phone), the USB ATA is a great productivity enhancement. It provides easy integration without costly hardware and network upgrades in a secure enterprise class IP environment. Specialized devices such as TTY/TDD telephones for the hearing impaired can also be connected to the IP Phone using the USB ATA, and permit compliance with regulatory requirements (e.g. US Government Section 508).

Ring Voltage and Caller Line Identification are provided for inbound calls to the IP Phone/Softphone and outbound calls are easily made with DTMF (touch-tone) dialing. For the IP Softphone 2050, the USB ATA is powered entirely by the host PC's USB port to minimize cords and connections. The unit also conforms to all relevant Windows Plug & Play specifications making installation fast and simple.

### Features

- USB-powered to minimize cords and connections
- Two-wire RJ11 Telephone Jack for connecting analog telephone
- Ring voltage and Caller ID supported in addition to DTMF dialing
- Call Display conversion from IP Softphone 2050 window
- Output for optional Algo Visual Alerter for message waiting and ring indication



### Typical Applications

- Traditional wired analog telephone
- Cordless telephones for greater mobility when away from desk
- Fax machines<sup>1</sup>
- Conference / Speaker telephones
- Analog telephone system trunk connection
- TTY/TDD terminals for hearing impaired



<sup>1</sup> Fax functionality requires G.711 codec (no T.38 support). Fax performance may vary with PC and network capability. For this reason, Algo does not recommend the USB Analog Terminal Adapter for frequent multi-page fax traffic. Some PCs may require settings to improve audio performance necessary for fax applications. Please visit [www.algosolutions.com/4900](http://www.algosolutions.com/4900) for more information.

<sup>2</sup> Supported Nortel 1100-series IP Phones: 1120E, 1140E, and 1150E. To use the 4900 USB ATA with these phones, a powered USB Hub is required. In addition, the minimum firmware on the IP Phones must be UniStim 3.1.

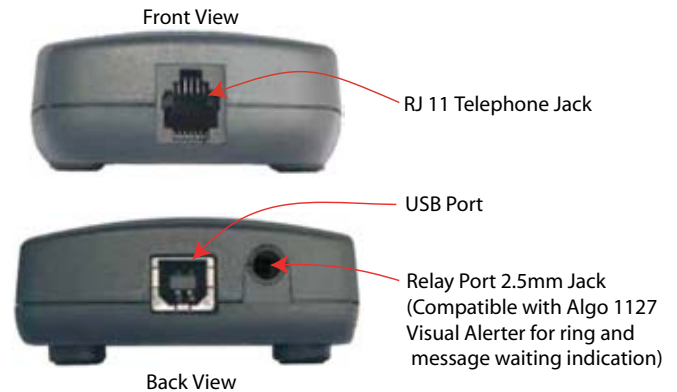
## Ordering Information

4900	USB Analog Terminal Adapter (package includes USB ATA, USB cord, & User Guide)
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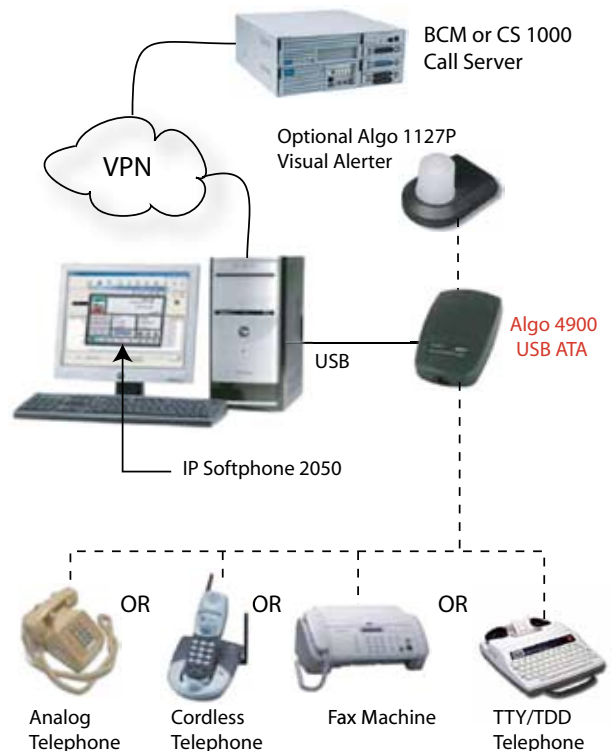
## Specifications

Dimensions & Weight	
Dimensions	Width - 2-5/8" (67 mm) Length - 4-3/16" (106 mm) Height - 1-1/8" (29 mm)
Weight	100 g (3.5 oz.)
Telephony	
Ring Voltage	60 Vrms Sinewave
CLID Type	GR-30-CORE (North American Standard)
Analog Port	Two-wire RJ11
Loop Current	41 mA
Talk Battery	48 Vdc
REN	1 (Ringer Equivalency Number)
Compatibility	
PC	Windows 2000 or Windows XP; One available USB port required
USB	Version 1.1 or greater
USB Power	High power device (500mA). If connected to USB Hub, USB hub requires line power
Softphone	Nortel IP Softphone 2050 - Version 2 B254 or newer; Note: The Nortel USB Audio Adapter and Nortel Mobile USB Headset Adapter cannot be used at the same time as the 4900 USB ATA.
1100-Series IP Phones	Compatible with 1120E, 1140E, and 1150E models when used with a powered USB Hub. Minimum firmware required on phones is UniStim 3.1
Relay Output	
Alert Output	Isolated solid state relay
Connection	2.5 mm jack
Voltage	Max 30 V SELV
Current	Max 50 mA non-inductive
Function	Ring and Message Waiting (triggers whenever either event occurs)
Regulatory Approvals & Declaration	
Compliance	FCC, CSA, CE, RoHS

## Connections



## Typical Connection Diagram



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