



READ ME FIRST !!

DT-9008

V.35 / V.11 / RS-422

Interface Adapter

For DT-4000 and SAM64/128/504

Product / Release Notes

721 Route 202-206
Bridgewater, NJ 08807
fax: 908.218.1736
phone: 908.218.0500
email: sales@datatekcorp.com
<http://www.datatekcorp.com>



NOTE:

USER DOCUMENTATION AND SOFTWARE UPDATES ARE AVAILABLE AT OUR WEBSITE.

Documentation:	http://www.datatekcorp.com
Sales:	sales@datatekcorp.com

INTRODUCTION

This document highlights the product features, modifications, known caveats and any special considerations for the DT-9008 product.

PRODUCT FEATURES

The **DT-9008** is an adapter that converts a device's V.35, V.11, or RS-422 interface to RS-232 for connection to a DT-4000, SAM64/128/504 port or other network port. On one end, the DT-9008 has an industry standard RJ-45 connection that is high speed RS-232 and may operate up to 230Kbps. On the other end, the DT-9008 has an RS-530 DB25 connection that provides V.35, V.11, and RS-422 without any configuration. Two types are available: one with a DTE DB25 connector (male) and one with a DCE DB25 connector (female). For legacy interfaces that require a Winchester 34 connection, compatible adapters may be connected in tandem.

The DT-9008 is a passive device, and its power is derived from the DT-4000/SAM port and the attached device via the EIA leads. An optional power input is provided for use with devices that do not provide sufficient power via EIA leads. 5V DC is required for the optional power, which may be supplied by the 5 V plug on the DT-4000 after installation of an optional power kit (described below) on the DT-4000. The 5V DC power may also be supplied by a standard AC power "brick" that supplies 5V DC output if AC power is available. Otherwise, the optional power kit described below should be used if only -48 V DC power is available.



INSTALLATION

Installation is straightforward. Connect a modular 8-pin cable from the SAM or DT-4000 RJ45 connector to the DT-9008. Straight-Through CAT 5 cable with molded-on male connectors is recommended but not required. Connect the device by cabling it to the DB25 connector. For cables using Winchester 34-pin connectors, purchase a DB25 to 34-pin adapter, and connect it in tandem with the DT9008.

INSTALLATION PROCEDURES FOR OPTIONAL POWER FROM A DT-4000

Warning: The following is only an option when using the DT-9008 in conjunction with a DT-4000. **The DT-4000 MUST BE POWERED by –48V DC and NOT AC.** A separately purchased kit is available that is designed to provide 5V DC *output* power at the 5V power *input* connector of the DT-4000 to be used by the DT-9008.

Description – The optional kit is designed to provide power to for DT-9008's connected to a DT-4000 in a 48V DC CO power environment when there is insufficient line power available to the DT-9008, and there is no standard AC power source. This power may be shared by several DT-9008's. In most environments, DT-9008's do not require additional 5V power because the EIA drivers provide sufficient current.

Contents – The contents of the kit should include a power jumper, a power adapter cable (2'), front panel sticker, and one daisy chain cable (6") for each additional DT-9008 after the first one.

Tools required – Small Phillips head screwdriver

Installation – Follow the steps below to install the Power Output Upgrade kit.

1. **DISCONNECT POWER** from the DT-4000.
2. Remove the cover from the DT-4000.
3. Remove jumper JP2.
4. Place the 3-pin power jumper included in the kit on JP2 with the white mark towards the front of the DT-4000.
5. Reinstall the cover.
6. Place the Power Output sticker above the 5V input barrel connector.
7. Connect the power adapter cable to the 5V input barrel connector (large end).
8. Connect the other end of the power adapter cable to the first DT-9008 power input barrel connector.
9. For each additional DT-9008, connect the short daisy chain cable from the previous DT-9008 to the current DT-9008. This creates a power chain from the DT-4000 to each of the DT-9008s. Note that the RJ45 connector of each DT-9008 is still individually cabled to its own DT-4000 user port by the 8-pin cable even though several DT-9008's are connected in tandem for optional powering.
10. Reconnect power to the DT-4000.

The DT-9008s are now ready for connection to the DT-4000 terminal ports and the network.



DOCUMENTATION

There currently is no user manual for the DT-9008. This documentation should suffice.

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