

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

NTDW62 and NTDW64 Media Gateway Controller Daughterboards

Contents

This section contains information on the following topics:

“Introduction” (page 943)

“Media Gateway Controller card” (page 943)

“Daughterboard configurations” (page 944)

Introduction

The NTDW60 Media Gateway Controller (MGC) card has two PCI Telephony Mezzanine Card form factor expansion sites. Daughterboards (DB) in the expansion sites provide Digital Signal Processor (DSP) resources for VoIP.

The DBs are slave devices controlled by the MGC processor.

Media Gateway Controller card

The MGC has two DB expansion sites. They are Expansion Daughterboard #1 and Expansion Daughterboard #2.

Copyright © 2003-2009 Nortel Networks

Figure 278
Media Gateway Controller with daughterboards

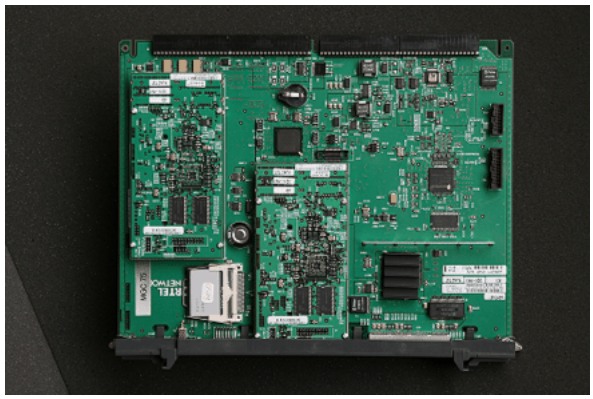


Figure 279
Daughterboard



Daughterboard configurations

The DBs are available in two sizes: An NTDW62 32-port daughterboard (DB-32) and an NTDW64 96-port daughterboard (DB-96).

There are four possible Media Gateway configurations:

- A pure TDM single Media Gateway with no DSP daughterboards or Media Cards.
- A system with only Media Card.

Copyright © 2003-2009 Nortel Networks

- A system with only DSP daughterboards.
- A system with both DSP daughterboards and Media Cards.

The DB-96 is supported only in expansion site #1 on the MGC card. If a DB-96 is detected in expansion site #2 during bootup, an installation error message is displayed on the MGC faceplate. The installation error message remains on the MGC faceplate display until the DB-96 is removed from expansion site #2. The DB-96 installation error message can be cycled through with other error messages. The DB-32 is supported in both expansion sites on the MGC card.

There are five possible DSP daughterboard configurations for both Call Server or Media Gateway configurations (3) and (4):

- A DB-32 in DB expansion site #1.
- A DB-32 in DB expansion site #2.
- A DB-32 in DB expansion site #1 and a DB-32 in DB expansion site #2.
- A DB-96 in DB expansion site #1.
- A DB-96 in DB expansion site #1 and a DB-32 in DB expansion site #2.

The following table summarizes the supported placement of the DBs in the MGC expansion sites and the card slots represented by each DB.

Table 398
DSP daughterboard placement

DB Size	DB Position #1	DB Position #2	Card Slot 0	Card Slot 11	Card Slot 12	Card Slot 13
DB-32	Yes	Yes	Yes	Yes	No	No
DB-96	Yes	No	No	Yes	Yes	Yes

A DSP DB-32 installed in expansion site #1 represents card slot 11. A DSP DB-32 installed in expansion site #2 represents card slot 0. A DSP DB-96 installed in expansion site #1 represents card slots 11, 12 and 13.

Copyright © 2003-2009 Nortel Networks

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP