

# FORM 4

[ ] Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**UNITED STATES SECURITIES AND EXCHANGE  
COMMISSION  
Washington, D.C. 20549**

OMB APPROVAL  
OMB Number: 3235-0287  
Expires: January 31, 2005  
Estimated average burden hours per response... 0.5

**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP  
OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,  
Section 17(a) of the Public  
Utility Holding Company Act of 1935 or Section 30(f) of the  
Investment Company Act of 1940

|  |  |  |
|--|--|--|
| <b>1. Name and Address of Reporting Person *</b><br><br><b>HUSS H FENWICK</b><br><small>(Last) (First) (Middle)</small><br><br><b>ADTRAN, 901 EXPLORER BLVD</b><br><small>(Street)</small><br><br><b>HUNTSVILLE, AL 35806</b><br><small>(City) (State) (Zip)</small> | <b>2. Issuer Name and Ticker or Trading Symbol</b><br><br><b>ADTRAN INC [ ADTN ]</b><br><br><b>3. Date of Earliest Transaction (MM/DD/YYYY)</b><br><br><p align="center"><b>12/31/2004</b></p> | <b>5. Relationship of Reporting Person(s) to Issuer (Check all applicable)</b><br><br><input checked="" type="checkbox"/> Director <span style="float:right">_____ 10% Owner</span><br><input type="checkbox"/> Officer (give title below) <span style="float:right">_____ Other (specify below)</span><br><br><b>6. Individual or Joint/Group Filing (Check Applicable Line)</b><br><br><input checked="" type="checkbox"/> Form filed by One Reporting Person<br><input type="checkbox"/> Form filed by More than One Reporting Person |
| <b>Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned</b>  |  |  |

| 1. Title of Security (Instr. 3) | 2. Trans. Date | 2A. Deemed Execution Date, if any | 3. Trans. Code (Instr. 8) |   | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |            |       | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|----------------|-----------------------------------|---------------------------|---|---|------------|-------|---|--|---|
|                                 |                |                                   | Code                      | V | Amount  | (A) or (D) | Price |   |  |   |

**Table II - Derivative Securities Beneficially Owned ( e.g. , puts, calls, warrants, options, convertible securities)**

| 1. Title of Derivate Security (Instr. 3)  | 2. Conversion or Exercise Price of Derivative Security | 3. Trans. Date | 3A. Deemed Execution Date, if any | 4. Trans. Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) |      | 6. Date Exercisable and Expiration Date |                | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) |                 | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction (s) (Instr. 4) | 10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |       |
|---|--|----------------|-----------------------------------|---------------------------|--|------|---|----------------|---|-----------------|--|---|--|--|-------|
|   |  |                |                                   |                           | Code   | V    | (A)                                     | (D)            | Date Exercisable  | Expiration Date |  |   |  |  | Title |
| Non-Qualified Stock Option (right to buy) | \$19.2   | 12/31/2004     |                                   | A                         |  | 5000 |   | 12/31/2005 (1) | 12/31/2014  | Common Stock    | 5000                                       | \$0   | 5000   | D  |       |
| Non-Qualified Stock Option (right to buy) | \$10.5   |                |                                   |                           |  |      |   | 10/16/2003 (1) | 10/16/2012  | Common Stock    | 20000                                      |   | 20000  | D  |       |
| Non-Qualified Stock Option (right to buy) | \$16.45  |                |                                   |                           |  |      |   | 12/31/2003 (1) | 12/31/2012  | Common Stock    | 10000                                      |   | 10000  | D  |       |
| Non-Qualified Stock Option (right to buy) | \$31.1   |                |                                   |                           |  |      |   | 12/31/2004     | 12/31/2013  | Common Stock    | 5000                                       |   | 5000   | D  |       |

**Explanation of Responses:**

(1) Option is 100% vested on first anniversary date of grant.

**Remarks:**

All option amounts reflect an adjustment as a result of a two-for-one stock split on the common stock, effective December 15, 2003, effected in the form of a stock dividend of one share of common stock for each outstanding share of common stock for shareholders of record of the issuer on December 1, 2003.

**Reporting Owners**

| Reporting Owner Name / Address  | Relationships |           |         |       |
|---|---------------|-----------|---------|-------|
|   | Director      | 10% Owner | Officer | Other |
| HUSS H FENWICK<br>ADTRAN<br>901 EXPLORER BLVD<br>HUNTSVILLE, AL 35806 | X             |           |         |       |

**Signatures****By: Cathy Bartels For: H. Fenwick Huss****1/3/2005**

\*\* Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

**POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS, that the undersigned constitutes and appoints James E. Matthews, Cathy Bartels, Chris Brunhoeber and Charlene Little, and each of them, his true and lawful attorneys-in-fact and agents, with full power of substitution, for him and in his name, place and stead, in any and all capacities, to:

1. execute for and on behalf of the undersigned, in the undersigned's capacity as an officer and/or director of ADTRAN, Inc. (the "Company"), Forms 3, 4 and 5 in accordance with Section 16(a) of the Securities Exchange Act of 1934, as amended, and the rules thereunder;
2. do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such Form 3, 4 or 5 and timely file such form with the United States Securities and Exchange Commission and any stock exchange or similar authority; and
3. take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion. The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorneys-in-fact, in serving in such capacity at the request of the undersigned, are not assuming, nor is the Company assuming, any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4 and 5 with respect to the undersigned's holdings of and transactions in securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this \_\_\_\_ day of July, 2004.

\_\_\_\_/s/H. Fenwick Huss \_\_\_\_\_  
*Signature*

\_\_\_\_H. Fenwick Huss \_\_\_\_\_  
*Print Name*

**ATLANTA:4479009.1**