

Chu Hing
Form 4
January 19, 2011

FORM 4

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

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

**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(h) of the Investment Company Act of 1940

OMB APPROVAL

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(Print or Type Responses)

1. Name and Address of Reporting Person *
Chu Hing

(Last) (First) (Middle)

C/O ATHEROS
COMMUNICATIONS, INC., 1700
TECHNOLOGY DRIVE

(Street)

SAN JOSE,, CA 95110

(City) (State) (Zip)

2. Issuer Name **and** Ticker or Trading
Symbol

ATHEROS COMMUNICATIONS
INC [ATHR]

3. Date of Earliest Transaction
(Month/Day/Year)
01/16/2011

4. If Amendment, Date Original
Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

____ Director ____ 10% Owner
____X____ Officer (give title below) ____ Other (specify below)
Vice President Operations

6. Individual or Joint/Group Filing(Check
Applicable Line)
____X____ Form filed by One Reporting Person
____ Form filed by More than One Reporting
Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction 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	
Common Stock	01/16/2011		A		5,000 (1)	A \$ 0 48,231	D
Common Stock	01/16/2011		A		8,500 (2)	A \$ 0 56,731	D

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

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(9-02)

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction 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 (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

Chu Hing
C/O ATHEROS COMMUNICATIONS, INC.
1700 TECHNOLOGY DRIVE
SAN JOSE,, CA 95110

Vice President Operations

Signatures

Bruce P. Johnson,
Attorney-in-fact 01/19/2011

__Signature of Reporting Person

Date

Explanation of Responses:

* 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).

On February 23, 2010, the Reporting Person was granted restricted stock units ("RSUs") that would vest subject to the Issuer's satisfaction of certain performance criteria for the fiscal year ended December 31, 2010. The performance criteria for 2010 were met and

(1) certified by the Compensation Committee of the Issuer's Board of Directors on January 16, 2011, resulting in vesting of the RSUs as follows: The RSUs will vest and be settled in shares of the Issuer's common stock over three (3) years, with the first 1/3 of the RSUs vesting on February 8, 2011 and the remaining RSUs vesting in equal quarterly installments over the following two (2) years.

(2) Represents Restricted Stock Units that will vest and be settled in shares of Common Stock in 16 equal quarterly installments commencing on May 8, 2011.

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

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