

Chu Hing
Form 4
April 09, 2010

FORM 4

**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

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
Chu Hing

2. Issuer Name and Ticker or Trading Symbol
ATHEROS COMMUNICATIONS INC [ATHR]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction (Month/Day/Year)
04/09/2010

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

C/O ATHEROS COMMUNICATIONS, INC., 5480 GREAT AMERICA PARKWAY

(Street)

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

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

SANTA CLARA,, CA 95054

(City) (State) (Zip)

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 Ownership (Instr. 4)
				(A) or (D)	Price		
				Code	V	Amount	
Common Stock	04/09/2010		M	A	\$ 7.75	47,369	D
Common Stock	04/09/2010		M	A	\$ 7.91	47,474	D
Common Stock	04/09/2010		M	A	\$ 8.89	57,256	D
Common Stock	04/09/2010		S ⁽¹⁾	D	\$ 38.96	47,056	D

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

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SEC 1474
(9-02)

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. Amount or Number of Shares
Employee Stock Options (right to buy)	\$ 7.75	04/09/2010		M	313	<u>(2)</u> 08/19/2010	Common Stock	313
Employee Stock Options (right to buy)	\$ 7.91	04/09/2010		M	105	<u>(3)</u> 09/02/2010	Common Stock	105
Employee Stock Options (right to buy)	\$ 8.89	04/09/2010		M	9,782	<u>(4)</u> 06/23/2015	Common Stock	9,782

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Chu Hing C/O ATHEROS COMMUNICATIONS, INC. 5480 GREAT AMERICA PARKWAY SANTA CLARA,, CA 95054			Vice President Operations	

Signatures

Bruce P. Johnson,
Attorney-in-fact

04/09/2010

__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).
- (1) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan.
- (2) 25% of the options became exercisable on 8/20/2005, and the remaining options became exercisable in 36 equal monthly installments beginning on 9/20/2005.
- (3) 25% of the options became exercisable on 9/03/2005, and the remaining options became exercisable in 36 equal monthly installments beginning on 10/03/2005.
- (4) 25% of the options became exercisable on 6/24/2006, and the remaining options became exercisable in 36 equal monthly installments beginning on 7/24/2006.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.