ZHENG JASON Form 4 January 19, 2011

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5

SECURITIES

obligations may continue. See Instruction 1(b).

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 * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading **ZHENG JASON** Issuer Symbol ATHEROS COMMUNICATIONS (Check all applicable) INC [ATHR] (Last) (First) (Middle) 3. Date of Earliest Transaction Director

10% Owner Other (specify X_ Officer (give title (Month/Day/Year) below) C/O ATHEROS 01/16/2011 Senior Vice President & GM

COMMUNICATIONS, INC., 1700 **TECHNOLOGY DRIVE**

> (Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

OMB APPROVAL

Estimated average

burden hours per

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January 31,

2005

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Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting Person

SAN JOSE,, CA 95110

(City)	(State)	Zip) Table	e I - Non-D	erivative S	ecuri	ties Acc	quired, Disposed	of, or Beneficia	lly Owned
1.Title of Security	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if	, , , , , , , , , , , , , , , , , , , ,			•	5. Amount of Securities	6. Ownership Form: Direct	Indirect
(Instr. 3)		any (Month/Day/Year)	Code (Instr. 8)	(D) (Instr. 3, 4 and 5)		Beneficially Owned Following	(D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
					(A) or		Reported Transaction(s)	(111341. 4)	(IIISU: +)
Common			Code V	Amount 15,000	(D)	Price	(Instr. 3 and 4)		
Stock	01/16/2011		A	(1)	A	\$ 0	141,411	D	
Common Stock	01/16/2011		A	43,000 (2)	A	\$ 0	184,411	D	
Common Stock							8,426 (3)	I	By Daughter

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

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

2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	and	8. Price of	9. Nu
Conversion	(Month/Day/Year)	Execution Date, if	Transaction	onNumber	Expiration Date		Amoun	nt of	Derivative	Deriv
or Exercise		any	Code	of	(Month/Day/	Year)	Underl	ying	Security	Secui
Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securit	ies	(Instr. 5)	Bene
Derivative				Securities			(Instr. 3	3 and 4)		Owne
Security				Acquired						Follo
				(A) or						Repo
				Disposed						Trans
				of (D)						(Instr
				(Instr. 3,						
				4, and 5)						
								Amount		
					Date	Expiration				
					Exercisable	Date				
			Code V	(A) (D)						
	Conversion or Exercise Price of Derivative	Conversion (Month/Day/Year) or Exercise Price of Derivative	Conversion (Month/Day/Year) Execution Date, if or Exercise any Price of (Month/Day/Year) Derivative	Conversion (Month/Day/Year) Execution Date, if Transaction or Exercise any Code Price of (Month/Day/Year) (Instr. 8) Derivative Security	Conversion (Month/Day/Year) Execution Date, if TransactionNumber or Exercise any Code of Price of (Month/Day/Year) (Instr. 8) Derivative Security Acquired (A) or Disposed of (D) (Instr. 3,	Conversion or Exercise any Code of (Month/Day/Pear) Price of (Month/Day/Year) Derivative Security Code of (Month/Day/Pear) Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) Date Exercisable	Conversion (Month/Day/Year) Execution Date, if any Code of (Month/Day/Year) Price of (Month/Day/Year) (Instr. 8) Derivative Security Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) Date Expiration Date Expiration Date Code of (Month/Day/Year) (Instr. 8) Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Conversion (Month/Day/Year) Execution Date, if TransactionNumber Expiration Date Amour or Exercise any Code of (Month/Day/Year) Underly Price of (Month/Day/Year) (Instr. 8) Derivative Securities (Instr. 5) Derivative Securities (Instr. 7) Derivative (A) or Disposed of (D) (Instr. 3, 4, and 5) Date Expiration Date Amour Code of (Month/Day/Year) Underly Securities (Instr. 7) Date Expiration Exercisable Date Title	Conversion (Month/Day/Year) Execution Date, if any Code of (Month/Day/Year) Underlying Code of (Month/Day/Year) Underlying Securities Price of (Month/Day/Year) (Instr. 8) Derivative Security Securities Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) Date Expiration Date Amount of (Month/Day/Year) Underlying Securities Securities (Instr. 3 and 4) Amount of (Month/Day/Year) Underlying Securities Securities Faction Date Expiration Date Amount of (Month/Day/Year) Underlying Securities Securities Faction Date Expiration Date Expiration Date Or Number of	Conversion of Month/Day/Year)

Reporting Owners

Relationships Reporting Owner Name / Address

> 10% Owner Officer Other Director

ZHENG JASON C/O ATHEROS COMMUNICATIONS, INC. 1700 TECHNOLOGY DRIVE SAN JOSE,, CA 95110

Senior Vice President & GM

Signatures

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

**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.
- Represents Restricted Stock Units that will vest and be settled in shares of Common Stock in 16 equal quarterly installments commencing **(2)** on May 8, 2011.
- The reporting person disclaims beneficial ownership of these securities, and this report shall not be deemed an admission that the reporting person is the beneficial owner of such securities for purposes of Section 16 or for any other purpose.

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

Reporting Owners 2

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