ATHEROS COMMUNICATIONS INC

Form SC 13G/A February 12, 2009

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No. 1) *

NAME OF ISSUER: Atheros Communications, Inc.

TITLE OF CLASS OF SECURITIES: Common

CUSIP NUMBER: 04743P108

DATE OF EVENT WHICH REQUIRES FIILNG OF THIS STATEMENT: December 31, 2008

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

> [X] Rule 13d-1(b) [] Rule 13d-1(c) [] Rule 13d-1(d)

by Each Reporting Person

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be 'filed' for the purpose of Section 18 of the Securities Exchange Act of 1934 ('Act') or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP NO. 04743P108

- Names of Reporting Persons The Bank of New York Mellon Corporation IRS Identification Nos. Of Above Person IRS No. 13-2614959
- (2) Check the Appropriate Box if a Member of a Group (See Instructions) (a) () (b) ()
- (3) SEC use only

<u> </u>			
(4) Citizenship or Place of	Org	anization	New York
Number of Shares Beneficially	(5)	Sole Voting Power	308,821
Owned by Each Reporting Person	(6)	Shared Voting Power	0
With	(7)	Sole Dispositive Power	343,628
	(8)	Shared Dispositive Power	0
(9) Aggregate Amount Beneficially Owned			

348,163

(10)Check if the Aggregate Amount in Row (9) Excludes Certain Shares (see Instructions)) (11) Percent of Class Represented by Amount in Row (9) 0.57% (12) Type of Reporting Person (See Instructions) HС SCHEDULE 13G Item 1(a) Name of Issuer: Atheros Communications, Inc. Item 1(b) Address of Issuer's Principal Executive Offices: 5480 Great America Parkway Santa Clara, CA 95054 Item 2(a) Name of Person Filing: The Bank of New York Mellon Corporation and any other reporting person(s) identified on the second part of the cover page(s) and Exhibit I. Item 2(b) Address of Principal Business Office, or if None, Residence: c/o The Bank of New York Mellon Corporation One Wall Street, 31st Floor New York, New York 10286 (for all reporting persons) Item 2(c) Citizenship: See cover page and Exhibit I. Item 2(d) Title of Class of Securities: Common Item 2(e) CUSIP Number: 04743P108 Item 3 See Item 12 of cover page(s) ("Type of Reporting Person") for each reporting person. Symbol Category Broker or Dealer registered under Section 15 of the Securities Exchange Act of 1934 Bank as defined in Section 3(a)(6) of the Securities BK Exchange Act of 1934 ΤV Investment Company registered under Section 8 of the Investment Company Act of 1940 Investment Advisor registered under Section 203 of the ΙA Investment Advisors Act of 1940 EΡ Employee Benefit Plan, Pension Fund which is subject to the provisions of the Employee Retirement Income Security Act of 1974 or Endowment Fund; see Section 240.13-d(1)(b)(1)(ii)(F) = Parent Holding Company, in accordance with Section HC240.13-d(1)(b)(1)(ii)(G)

The amount beneficially owned includes, where appropriate, securities not outstanding which are subject to options, warrants, rights or conversion privileges that are exercisable within 60 days. The securities reported herein as beneficially owned may exclude securities of the issuer with respect to which voting and/or dispositive power is exercised by subsidiaries of The Bank of New York Mellon Corporation, or departments or units thereof, independently from the exercise of those powers over the securities reported herein. See SEC Release No. 34-39538 (January 12, 1998). The filing of this Schedule 13G shall not be construed as an admission that The Bank of New York Mellon Corporation, or its direct or indirect subsidiaries, including The Bank of New York and Mellon Bank, N.A., are for the purposes of Section 13(d) or 13(g) of the Act, the beneficial owners of any securities covered by this Schedule 13G.

The following information applies if checked: () Mellon Bank, N.A. and/or () The Bank of New York Trust Company is/are the trustee of the issuer's employee benefit plan (the "Plan"), which is subject to ERISA. The securities reported include all shares held of record by such reporting person(s) as trustee of the Plan which have not been allocated to the individual accounts of employee participants in the Plan. The reporting person, however, disclaims beneficial ownership of all shares that have been allocated to the individual accounts of employee participants in the Plan for which directions have been received and followed.

Item 5 Ownership of Five Percent or Less of a Class:

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following (X)

Item 6 Ownership of More than Five Percent on Behalf of Another Person:

All of the securities are beneficially owned by The Bank of New York Mellon Corporation and its direct or indirect subsidiaries in their various fiduciary capacities. As a result, another entity in every instance is entitled to dividends or proceeds of sale. The number of individual accounts holding an interest of 5% or more is ()

- Item 7 Identification and Classification of the Subsidiary Which Acquired
 the Security Being Reported by the Parent Holding Company:
 See Exhibit I.
- Item 8 Identification and Classification of Members of the Group: N/A
- Item 9 Notice of Dissolution of Group:

Item 10 Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired and are not held in connection with or as a participant in any transaction having such purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct. This filing is signed by The Bank of New York

N/A

Mellon Corporation on behalf of all reporting entities pursuant to Rule 13d-1(k) (1) promulgated under the Securities and Exchange Act of 1934, as amended.

Date: February 12, 2009

THE BANK OF NEW YORK MELLON CORPORATION

By: /s/ DAVID BELSTERLING

David Belsterling
First Vice President
Attorney-In-Fact for
The Bank of New York Mellon Corporation

EXHIBIT I

The shares reported on the attached Schedule 13G are beneficially owned by the following direct or indirect subsidiaries of The Bank of New York Mellon Corporation, as marked (X):

- (A) The Item 3 classification of each of the subsidiaries listed below is "Item 3(b) Bank as defined in Section 3(a)(6) of the Act (15 U.S.C. 78c)"
 - (X) The Bank of New York Mellon
 - () The Bank of New York Mellon Trust Company, National Association
 - (X) BNY Mellon, National Association
 - () BNY Mellon Trust of Delaware
- (B) The Item 3 classification of each of the subsidiaries listed below is "Item 3(e) An Investment Adviser in accordance with Section 240.13d-1 (b) (1) (ii) (E)"
 - () The Boston Company Asset Management LLC
 - () The Dreyfus Corporation (parent holding company of MBSC Securities Corporation)
 - () Founders Asset Management LLC
 - () Franklin Portfolio Associates LLC
 - () Lockwood Advisors, Inc.
 - () Lockwood Capital Management, Inc.
 - () MBSC Securities Corporation (parent holding company of Founders Asset Management LLC)
 - (X) Mellon Capital Management Corporation
 - () Mellon Global Investments Limited
 - () Newton Capital Management Limited
 - () Newton Investment Management Limited
 - () Standish Mellon Asset Management Company LLC
 - () Urdang Securities Management, Inc.
 - () Walter Scott & Partners Limited
- (C) The Item 3 classification of each of the subsidiaries listed below is "Item 3(g) A Parent Holding Company or control person in accordance with Section 240.13d-1 (b) (1) (ii) (G) "
 - (X) The Bank of New York Mellon Corporation
 - () B.N.Y. Holdings (Delaware) Corporation (parent holding company of BNY Mellon Trust of Delaware)
 - () BNY Separate Account Services, Inc. (parent holding company of Lockwood Advisors, Inc.; Lockwood Capital Management, Inc.)
 - () MAM (MA) Holding Trust (parent holding company of Franklin Portfolio

- Associates LLC; Standish Mellon Asset Management Company LLC; The Boston Company Asset Management LLC)
- (X) MBC Investments Corporation (parent holding company of Mellon Capital Management Corporation; Neptune LLC)
- () Mellon International Holding S.AR.L (parent holding company of Mellon International Limited)
- () Mellon International Limited (parent holding company of Newton Management Limited; Walter Scott & Partners Limited)
- () Neptune LLC (parent holding company of Mellon International Holding S.AR.L)
- () Newton Management Limited (parent holding company of Newton Capital Management Limited; Newton Investment Management Limited)
- () Pershing Group LLC (parent holding company of BNY Separate Account Services, Inc.)

NOTE: ALL OF THE LEGAL ENTITIES LISTED UNDER (A) AND (B) ABOVE ARE DIRECT OR INDIRECT SUBSIDIARIES OF THE BANK OF NEW YORK MELLON CORPORATION. BENEFICIAL OWNERSHIP OF MORE THAN FIVE PERCENT OF THE CLASS BY ANY ONE OF THE SUBSIDIARIES OR INTERMEDIATE PARENT HOLDING COMPANIES LISTED ABOVE IS REPORTED ON A JOINT REPORTING PERSON PAGE FOR THAT SUBSIDIARY ON THE ATTACHED SCHEDULE 13G AND IS INCORPORATED IN THE TOTAL PERCENT OF CLASS REPORTED ON THE BANK OF NEW YORK MELLON CORPORATION'S REPORTING PERSON PAGE. (DO NOT ADD THE SHARES OR PERCENT OF CLASS REPORTED ON EACH JOINT REPORTING PERSON PAGE ON THE ATTACHED SCHEDULE 13G TO DETERMINE THE TOTAL PERCENT OF CLASS FOR THE BANK OF NEW YORK MELLON CORPORATION).

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS that each of the undersigned (each a 'Company') does hereby make, constitute and appoint each of David M. Belsterling and Andrew M. Kresl (and any other employee of The Bank of New York Mellon Corporation, or one of its affiliates, designated in writing by one of the attorneys-in-fact), acting individually, its true and lawful attorney, to execute and deliver in its name and on its behalf, whether the Company is acting individually or as representative of others, any and all filings required to be made by the Company under the Securities Exchange Act of 1934, as amended (the 'Exchange Act'), with respect to securities which may be deemed to be beneficially owned by the Company or under the Company's investment discretion under the Exchange Act, giving and granting unto each said attorney-in-fact power and authority to act in the premises as fully and to all intents and purposes as the Company might or could do if personally present by one of its authorized signatories, hereby ratifying and confirming all that said attorney-in-fact shall lawfully do or cause to be done by virtue hereof.

THIS POWER OF ATTORNEY shall remain in full force and effect until either revoked in writing by a Company or until such time as the person or persons to whom power of attorney has been hereby granted cease(s) to be an employee of The Bank of New York Mellon Corporation or one of its affiliates.

THIS POWER OF ATTORNEY may be executed in any number of counterparts all of which taken together shall constitute one and the same instrument.

IN WITNESS WHEREOF, each Company hereby executes this Power of Attorney effective as of the date set forth below.

THE BANK OF NEW YORK MELLON THE BANK OF NEW YORK CORPORATION

By: /s/ Ronald P. O'Hanley By: /s/ Bruce W. Van Saun

Ronald P. O'Hanley Vice Chairman

Date: August 1, 2007

Bruce W. Van Saun

Vice Chairman & Chief Financial

Officer

Date: August 1, 2007

By: /s/ John Dowd _____

John Dowd

Executive Vice President

Date: August 1, 2007

THE BANK OF NEW YORK TRUST

By: /s/ Michael K. Klugman _____

COMPANY, N.A.

BNY SEPARATE ACCOUNT SERVICES, INC.

By: /s/ Lisa Detwiler _____

Michael K. Klugman

Lisa Detwiler

Managing Counsel / Asst. Secretary President

Date: August 1, 2007 Date: August 27, 2007

By: /s/ Thomas J. Mastro

Thomas J. Mastro

Executive Vice President

Date: August 1, 2007

THE BOSTON COMPANY HOLDING LLC

By: /s/ James P. Palermo

James P. Palermo

Date: August 1, 2007

By: /s/ David L. Ray

President

MANAGEMENT, LLC

By: /s/ Corey A. Griffin

Corey A. Griffin Chairman & Chief Executive Officer

THE BOSTON COMPANY ASSET

Date: December 19, 2007

THE DREYFUS CORPORATION FOUNDERS ASSET MANAGEMENT LLC

By: /s/ J. David Officer

-----J. David Officer

Director & Chief Operating Officer Senior Vice President &

Date: August 1, 2007

David L. Ray

Chief Operating Officer Date: December 18, 2007

FRANKLIN PORTFOLIO ASSOCIATES LLC

LOCKWOOD ADVISORS, INC.

By: /s/ Lisa Detwiler

Lisa Detwiler

By: /s/ John S. Cone

John S. Cone

President & Chief Executive Officer Managing Counsel / Asst. Secretary

Date: August 1, 2007 Date: August 7, 2008

LOCKWOOD CAPITAL MANAGEMENT, INC.

By: /s/ Lisa Detwiler _____

Lisa Detwiler

Managing Counsel / Asst. Secretary

Date: August 27, 2007

MAM (DE) TRUST

MAM (MA) HOLDING TRUST

By: /s/ Michael A. Bryson By: /s/ Michael A. Bryson _____ ______ Michael A. Bryson, Trustee Michael A. Bryson, Trustee Date: August 1, 2007 Date: August 1, 2007 By: /s/ Ronald P. O'Hanley By: /s/ Ronald P. O'Hanley _____ _____ Ronald P. O'Hanley, Trustee Ronald P. O'Hanley, Trustee Date: August 1, 2007 Date: August 1, 2007 By: /s/ Scott E. Wennerholm By: /s/ Scott E. Wennerholm Scott E. Wennerholm, Trustee
Scott E. Wennerholm, Trustee
Date: December 20, 2007 _____ _____ Date: December 20, 2007 By: Mellon Trust of Delaware, N.A., Trustee By: /s/ David B. Kutch David B. Kutch President and CEO Date: August 1, 2007 MBC INVESTMENTS CORPORATION MBSC SECURITIES CORPORATION By: /s/ Robert A. Repetto By: /s/ J. David Officer _____ _____ Robert A. Repetto J. David Officer Vice President President and Director Date: August 1, 2007 Date: August 1, 2007 MELLON CAPITAL MANAGEMENT MELLON BANK, N.A. CORPORATION By: /s/ Ronald P. O'Hanley By: /s/ Gabriela Parcella ______ _____ Ronald P. O'Hanley Gabriela Parcella Vice Chairman Executive Vice President & Date: August 1, 2007 Chief Operating Officer Date: August 1, 2007 MELLON GLOBAL INVESTMENTS LIMITED MELLON INTERNATIONAL HOLDING S.AR.L. By: /s/ By: /s/ Robert A. Repetto _____ _____ Jonathan M. Little Robert A. Repetto Director Manager Date: Date: August 1, 2007 MELLON INTERNATIONAL LIMITED MELLON PRIVATE TRUST COMPANY, N.A. By: /s/ Helena L. Morrissey By: /s/ Lawrence Hughes Helena L. Morrissey Lawrence Hughes President & Chief Executive Director Date: April 15, 2008 Officer Date: August 1, 2007 MELLON TRUST OF CALIFORNIA MELLON TRUST OF DELAWARE, N.A.

By: /s/ David B. Kutch

By: /s/ David R. Holst

David R. Holst David B. Kutch

President & Chief Executive

Date: August 1, 2007 Officer

Date: August 1, 2007

MELLON TRUST OF NEW ENGLAND, N.A. MELLON TRUST OF NEW YORK, LLC

By: /s/ James P. Palermo By: /s/ Lawrence Hughes

James P. Palermo Lawrence Hughes

President President

Date: August 1, 2007 Date: August 1, 2007

MELLON TRUST OF WASHINGTON

By: /s/ David R. Holst

David R. Holst

Chairman & Chief Executive Officer

Date: August 1, 2007

NEPTUNE LLC NEWTON CAPITAL MANAGEMENT LIMITED

By: /s/ Ronald P. O'Hanley By: /s/ Helena L. Morrissey

Ronald P. O'Hanley Helena L. Morrissey

President & Chief Executive Officer Director & Chief Executive

Date: August 1, 2007 Officer
Date: April 15, 2008

NEWTON INVESTMENT MANAGEMENT LIMITED NEWTON MANAGEMENT LIMITED

By: /s/ Helena L. Morrissey
By: /s/ Helena L. Morrissey
By: /s/ Helena L. Morrissey

Helena L. Morrissey Helena L. Morrissey

Director Director

Date: April 15, 2008 Date: April 15, 2008

PERSHING GROUP LLC STANDISH MELLON ASSET MANAGEMENT COMPANY LLC

By: /s/Dennis Wallestad By: /s/ James D. MacIntyre

Dennis Wallestad James D. MacIntyre

Chief Financial Officer President & Chief Operating
Date: September 11, 2008 Officer

Date: August 1, 2007

URDANG SECURITIES MANAGEMENT, INC. WALTER SCOTT & PARTNERS LIMITED

By: /s/ Richard J. Ferst By: /s/ Kenneth J. Lyall

Richard J. Ferst Kenneth J. Lyall

President & Chief Operating Officer Chairman

Date: August 1, 2007 Date: December 24, 2007

JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k)(1) under the Securities Exchange Act of 1934,

as amended (the 'Exchange Act'), each undersigned entity (each a 'Company') hereby agrees to any and all joint filings required to be made on the Company's behalf on Schedule 13G (including amendments thereto) under the Exchange Act, with respect to securities which may be deemed to be beneficially owned by the Company under the Exchange Act, and that this Agreement be included as an Exhibit to any such joint filing. This Agreement may be executed in any number of counterparts all of which taken together shall constitute one and the same

IN WITNESS WHEREOF, each Company hereby executes this Agreement effective as of the date set forth below.

THE BANK OF NEW YORK MELLON CORPORATION

THE BANK OF NEW YORK

By: /s/ Ronald P. O'Hanley _____ Ronald P. O'Hanley Vice Chairman Date: August 1, 2007

By: /s/ Bruce W. Van Saun ______ Bruce W. Van Saun Vice Chairman & Chief Financial

Officer Date: August 1, 2007

THE BANK OF NEW YORK TRUST COMPANY, N.A.

BNY SEPARATE ACCOUNT SERVICES, INC.

By: /s/ Michael K. Klugman /s/ Michael ... Michael K. Klugman President

By: /s/ Lisa Detwiler _____ Lisa Detwiler

Date: August 1, 2007

Managing Counsel / Asst. Secretary Date: August 27, 2007

THE BOSTON COMPANY ASSET

THE BOSTON COMPANY HOLDING LLC

MANAGEMENT, LLC By: /s/ Corey A. Griffin

By: /s/ James P. Palermo _____ James P. Palermo

_____ Corey A. Griffin

President Date: August 1, 2007

Chairman & Chief Executive Officer Date: December 19, 2007

FOUNDERS ASSET MANAGEMENT LLC

THE DREYFUS CORPORATION

By: /s/ David L. Ray

By: /s/ J. David Officer _____

_____ David L. Ray

J. David Officer Director & Chief Operating Officer

Senior Vice President & Chief Operating Officer Date: December 18, 2007

FRANKLIN PORTFOLIO ASSOCIATES LLC

LOCKWOOD ADVISORS, INC.

By: /s/ John S. Cone

Date: August 1, 2007

By: /s/ Lisa Detwiler Lisa Detwiler

John S. Cone President & Chief Executive Officer Managing Counsel / Asst. Secretary

Date: August 1, 2007 Date: August 7, 2008

LOCKWOOD CAPITAL MANAGEMENT, INC.

By: /s/ Lisa Detwiler _____ Lisa Detwiler

Managing Counsel / Asst. Secretary

Date: August 27, 2007

MAM (DE) TRUST

By: /s/ Michael A. Bryson _____

Michael A. Bryson, Trustee

Date: August 1, 2007

By: /s/ Ronald P. O'Hanley _____

Ronald P. O'Hanley, Trustee Ronald P. O'Hanley, Trustee Date: August 1, 2007

Date: August 1, 2007

By: /s/ Scott E. Wennerholm _____

Scott E. Wennerholm, Trustee
Scott E. Wennerholm, Trustee
December 20, 2007
Date: December 20, 2007

Date: December 20, 2007

By: Mellon Trust of Delaware,

N.A., Trustee

By: /s/ David B. Kutch _____

David B. Kutch,

President and CEO

Date: August 1, 2007

MBC INVESTMENTS CORPORATION

By: /s/ Robert A. Repetto _____

Robert A. Repetto

Vice President Date: August 1, 2007

MELLON BANK, N.A.

By: /s/ Ronald P. O'Hanley

Ronald P. O'Hanley

Vice Chairman

Date: August 1, 2007

MELLON GLOBAL INVESTMENTS LIMITED

By: /s/

Jonathan M. Little

Director

Date:

MELLON INTERNATIONAL LIMITED

By: /s/ Helena L. Morrissey _____

Helena L. Morrissey

Director

Date: April 15, 2008

MAM (MA) HOLDING TRUST

By: /s/ Michael A. Bryson

Michael A. Bryson, Trustee

Date: August 1, 2007

By: /s/ Ronald P. O'Hanley

By: /s/ Scott E. Wennerholm ______

MBSC SECURITIES CORPORATION

By: /s/ J. David Officer _____

J. David Officer

President and Director

Date: August 1, 2007

MELLON CAPITAL MANAGEMENT

CORPORATION

By: /s/ Gabriela Parcella

Gabriela Parcella

Executive Vice President &

Chief Operating Officer

Date: August 1, 2007

MELLON INTERNATIONAL HOLDING S.AR.L.

By: /s/ Robert A. Repetto

_____ Robert A. Repetto

Manager

Date: August 1, 2007

MELLON PRIVATE TRUST COMPANY, N.A.

By: /s/ Lawrence Hughes

Lawrence Hughes

President & Chief Executive

Officer

Date: August 1, 2007

MELLON TRUST OF CALIFORNIA MELLON TRUST OF DELAWARE, N.A.

By: /s/ David R. Holst

David R. Holst

By: /s/ David B. Kutch

David R. Holst

David B. Kutch

President & Chief Executive

Date: August 1, 2007 Officer

Date: August 1, 2007

MELLON TRUST OF NEW ENGLAND, N.A. MELLON TRUST OF NEW YORK, LLC

By: /s/ James P. Palermo

James P. Palermo

President

By: /s/ Lawrence Hughes

Lawrence Hughes

President

Date: August 1, 2007 Date: August 1, 2007

MELLON TRUST OF WASHINGTON

By: /s/ David R. Holst
----David R. Holst

Chairman & Chief Executive Officer

Date: August 1, 2007

Date: April 15, 2008

NEPTUNE LLC NEWTON CAPITAL MANAGEMENT LIMITED

By: /s/ Ronald P. O'Hanley

Ronald P. O'Hanley

Ronald P. O'Hanley

By: /s/ Helena L. Morrissey

Helena L. Morrissey

Breadent & Chief Evecutive Officer

Rose of the first transfer of the first tran

President & Chief Executive Officer Director & Chief Executive

Date: August 1, 2007 Officer

Date: April 15, 2008

NEWTON INVESTMENT MANAGEMENT LIMITED NEWTON MANAGEMENT LIMITED

By: /s/ Helena L. Morrissey

Helena L. Morrissey

Helena L. Morrissey

Helena L. Morrissey

Director Director

PERSHING GROUP LLC STANDISH MELLON ASSET MANAGEMENT COMPANY LLC

Date: April 15, 2008

By: /s/ Dennis Wallestad By: /s/ James D. MacIntyre

Dennis Wallestad James D. MacIntyre

Chief Financial Officer President & Chief Operating Date: September 11, 2008 Officer

Date: August 1, 2007

URDANG SECURITIES MANAGEMENT, INC. WALTER SCOTT & PARTNERS LIMITED

By: /s/ Richard J. Ferst By: /s/ Kenneth J. Lyall

Richard J. Ferst Kenneth J. Lyall

President & Chief Operating Officer Chairman

Date: August 1, 2007 Date: December 24, 2007