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Ikanos Partners with ASSIA, Leader in DSL Dynamic Spectrum Management

***Companies Ink Patent Licensing and Co-marketing Deal
for Vectored DSL Products***

Broadband World Forum Europe 2009 – PARIS, September 7, 2009 — Ikanos Communications, Inc. (NASDAQ: IKAN), the leading provider of advanced broadband semiconductor and software products for the digital home, and ASSIA, Inc., the leading provider of Dynamic Spectrum Management (DSM) technology designed to improve the data rates, reach and overall performance of Digital Subscriber Line (DSL) systems, today announced a partnership to accelerate the deployment of vectored DSL technology. Under terms of the agreement, Ikanos receives a license to ASSIA's essential DSM patents and certain technology for the development of vectored DSL products – also known as DSM Level 3 – capable of delivering speeds of 100 Mbps and greater over existing copper loops. In addition, the two companies will co-market each others' products to the network equipment and service provider industries.

"ASSIA is recognized throughout the telecommunications industry as one of the most influential and innovative technology providers, especially when it comes to maximizing DSL network performance," said Michael Gulett, president and CEO at Ikanos. "As a result of our relationship with ASSIA, Ikanos expects to accelerate the time to market for a new generation of products that

capitalize on DSM technology's advantages, setting higher standards for performance, stability and reliability.”

DSM enables service providers to maximize the rate and reach of their DSL services, while minimizing operating costs, through the automatic optimization of DSL networks and advanced, root-cause diagnostics analyses. DSM Level 3 (DSM 3) techniques can enhance and extend very-high-data-rate DSL (VDSL) downstream data rates in excess of 100 Mbps and upstream data rates in excess of 50 Mbps for fiber-fed DSL access multiplexers (DSLAMs) in the neighborhood, at the curb and in the building. DSM technology also enables service providers to further extend the useful life of the copper infrastructure and compete effectively from a performance and economic perspective with more expensive passive optical networking (PON) and hybrid fiber coax (HFC) services.

“ASSIA is pleased to work with Ikanos to advance the capabilities of DSM and DSL products and their availability,” said John Cioffi, ASSIA's chairman and CEO. “Ikanos' endorsing implementation of ASSIA's DSM 3 vectoring technology can more rapidly advance the deployment of higher speed digital subscriber lines, enabling service providers worldwide to improve service and reduce operating costs. As vectored DSL standards emerge, chip vendors, such as Ikanos, are making it possible for service providers to realize the full potential of the technology by ensuring cross platform support, full management data access and standardized management interfaces.”

DSM 3 is one of the three levels of DSM defined in the ATIS DSM Technical Report (ATIS PP-0600007) for managing noise, power and crosstalk in DSL systems of all types – ADSL1, ADSL2/2+ and VDSL – in both single service provider and unbundled, multiple service provider environments. Complementary standardization efforts have been completed in the ITU-T and the Broadband Forum, with ongoing standardization efforts underway for advanced DSM technologies.

About ASSIA Inc.

ASSIA, Inc. is the leading provider of high-performance software development tools for Dynamic Spectrum Management (DSM) of DSL systems. ASSIA's products manage ADSL1, ADSL2/2+ and VDSL2 networks, improving rates, extending reach, increasing power efficiency, and helping DSL operators to maximize returns on their capital and operating expenditures. For more information, visit www.assia-inc.com.

About Ikanos Communications, Inc.

Ikanos Communications, Inc. (NASDAQ: IKAN) is a leading provider of advanced broadband semiconductor and software products for the digital home. The company's multi-mode

VDSL2/ADSLx, network processor and other offerings power access infrastructure and customer premises equipment for many of the world's leading network equipment manufacturers and telecommunications service providers. For more information, visit www.ikanos.com.

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Cautionary Statement

All statements included or incorporated by reference in this press release, other than statements or characterizations of historical fact, are forward-looking statements. Such forward-looking statements are based on our current expectations, estimates and projections about our industry and business, management's beliefs, and certain assumptions, all of which are subject to change. Forward-looking statements can often be identified by words such as "anticipates," "expects," "intends," "plans," "predicts," "believes," "seeks," "estimates," "may," "will," "should," "would," "could," "potential," "continue," "ongoing," similar expressions, and variations or negatives of these words. These forward-looking statements are not guarantees of future results and are subject to risks, uncertainties and assumptions that could cause our actual results to differ materially and adversely from those expressed in any forward-looking statement. Important factors that may cause such a difference with respect to Ikanos' and ASSIA's respective abilities to realize commercial benefits from the patent and technology license include, without limitation, market acceptance of the DSM-enabled product, the ability of Ikanos and ASSIA to deliver timely all of the features required by carriers in each region in which the product will be sold, and the ability to meet competitors' pricing. For a further discussion of the risks and uncertainties, which could cause actual results to differ from those contained in the forward-looking statements, see the section entitled "Risk Factors" in Ikanos' Annual Reports on Form 10-K and its most recent Quarterly Reports on Form 10-Q. Ikanos Communications cannot assure that the events and circumstances reflected in any forward-looking statements will be achieved or occur, nor does Ikanos Communications undertake any obligation to update any forward-looking statements for any reason after the date of this press release.

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