

MACOM Expands 12.5Gbps Digital Crosspoint Offering with New Switch Family

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- *New family of crosspoint switches support 4K and 8K ultra high-definition television (UHDTV)*
- *Crosspoint switches feature advanced signal conditioning capabilities*
- *The new MAXP-23008, MAX-23012 and MAXP-23016 are available for sampling in May*

LOWELL, Mass.--(BUSINESS WIRE)-- [MACOM Technology Solutions Inc.](#) ("MACOM"), today announced a new family of high-performance, asynchronous, fully non-blocking crosspoint switches to support 4K and 8K ultra high-definition television (UHDTV). As video content evolves beyond high definition, MACOM's family of crosspoints support the bandwidth required to transport these higher resolutions.

MACOM's new [MAXP-23008](#), [MAXP-23012](#) and [MAXP-23016](#) support switch matrix densities of 8x8, 12x12 and 16x16, respectively. The devices operate up to 12.5Gbps, thereby enabling switching and routing of numerous high resolution video formats, including UHDTV uncompressed serial digital interface (SDI) data rates of 11.88Gbps, High Definition Media Interface (HDMI) 2.1 lane speeds of 12.0Gbps and DisplayPort 1.4 lane rates of 8.1Gbps. This new family of crosspoint switches further rounds out MACOM's extensive portfolio for the most complete offering of 12.5Gbps crosspoints in the industry.

"The proliferation of UHD video is driving increased data rates for the various display standards, which in turn is driving demand to support switching at these higher rates," said Mike Fukatsu, Director of Product Marketing, High-Performance Analog, at MACOM. "By offering a broad portfolio of 12.5Gbps crosspoint switches, MACOM enables the many applications that route and switch these new high resolution formats."

MACOM's crosspoint switches include advanced signal conditioning capabilities which allow the devices to compensate for signal losses over extended board traces. The output drivers have adjustable output swing and programmable levels of de-emphasis which allow the user to fully optimize their link for optimum performance. Additionally, MACOM's new crosspoint switches are designed to handle the stress of pathological video patterns encountered in SDI video applications.

MACOM will demonstrate the MAXP-23016 16x16 12.5Gbps crosspoint switch at NAB, Booth #N2924 in the North Hall of the Las Vegas Convention Center, April 24th-27th in Las Vegas, NV. To make an appointment, contact your local sales representative. For more information on MACOM's extensive broadcast video portfolio visit: www.macom.com.

ABOUT MACOM:

MACOM is a new breed of analog semiconductor company — one that delivers a unique combination of high growth, diversification and high profitability. We are enabling a better-connected and safer world by delivering breakthrough semiconductor technologies for optical, wireless and satellite networks that satisfy society's insatiable demand for information.

Today, MACOM powers the infrastructure that millions of lives and livelihoods depend on every minute to communicate, transact business, travel, stay informed and be entertained. Our technology increases the speed and coverage of the mobile Internet and enables fiber optic networks to carry previously unimaginable volumes of traffic to businesses, homes and data centers.

Keeping us all safe, MACOM technology enables next-generation radars for air traffic control and weather forecasting, as well as mission success on the modern networked battlefield.

MACOM is the partner of choice to the world's leading communications infrastructure and aerospace and defense companies, helping solve their most complex challenges in areas including network capacity, signal coverage, energy efficiency, and field reliability, through its best-in-class team and broad portfolio of RF, microwave, millimeterwave and lightwave semiconductor products.

MACOM is a pillar of the semiconductor industry, thriving for more than 60 years of daring to change the world for the better through bold technological strokes that deliver true competitive advantage to customers and superior value to investors.

Headquartered in Lowell, Massachusetts, MACOM is certified to the ISO9001 international quality standard and ISO14001 environmental management standard. MACOM has design centers and sales offices throughout North America, Europe, Asia and Australia.

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