



Press Release

## SolidRun Unveils SolidWAN Line of Software-Defined Edge Network Hardware

*SolidWAN Linux-based system-level solutions are a cost-effective path forward to future proofing business networks without compromising performance, security and user experience*

**TEL AVIV, July XX, 2022 – SolidRun**, a leading developer and manufacturer of high-performance System on Module (SOM) solutions, Single Board Computers (SBC) and network edge solutions, today announced its all-new line of [SolidWAN system-level solutions](#) for software-defined wide area networks and network security applications. Available in different form factors, with different wired and wireless networking configuration options, SolidWAN networking solutions are ideal for home office use, SMB and enterprise applications and deployment at the network's edge.

“Businesses across the world are evolving their network infrastructure to take advantage of the vast flexibility, security, and cost-saving benefits of software-defined networking,” said Mordi Blaunstein, VP Marketing and Sales at SolidRun. “However, one size doesn’t fit all when it comes to network hardware. This is especially true when connecting today’s distributed workforce. With that in mind, we created our game changing SolidWAN line, which makes software-defined networking more affordable and easily deployable to home offices, branch offices, data centers and more.”

SolidWAN network hardware solutions are optimized for software-defined networking applications and provide direct connectivity of network ports to the CPU. This direct connection allows all network traffic to be managed by software, which not only guarantees the highest security and best possible quality of service, but also makes upgrading network hardware, deploying updates and establishing new network services fast and easy. The embedded Layerscape® LX2 SoCs from NXP® Semiconductors offer advanced data path acceleration optimized for L2/3 packet processing, security offload and robust traffic management and quality of service.

“The future of network management is software based, and NXP has created the powerful Layerscape LX2160A and LX2162A processors with this in mind,” said Toby Foster, senior product marketing manager at NXP. “SolidRun’s SolidWAN networking solutions take full advantage of our LX2 line of processor’s 16 powerful cores, numerous SerDes lanes, security acceleration, and data compression engine to produce cost-effective and compact hardware that can be configured to serve any number of enterprise and edge processing network functions, while helping to reduce latency, enhancing security, and improving resiliency.”

### **For Home Offices and SMBs**

The SolidWAN LX2162A is a small form factor network solution that takes full advantage of the robust performance and security features embedded into the LX2162A SoC from NXP. Utilizing SolidRun’s LX2- Lite system-on-module as the foundation for this compact system, the SolidWAN LX2162A efficiently addresses SMB and local branch office needs with outstanding performance and security. Engineered with a wide array of wired and wireless software-defined networking connection options, including eight dedicated GbE RJ45 ports, two 25GbE SFP and two 10GbE dedicated SFP interfaces, and optional GbE RJ45 management port, LTE and Wi-Fi options, this unit offers maximum site installation flexibility while maintaining a compact, desktop-friendly footprint and low price point.

SolidRun also offers fanless small form factor SD-WAN platforms with quad-core processors and 1GbE/2.5GbE/10GbE software-defined dedicated Ethernet ports to address the home-office, remote-workers, and Industrial locations the need high security and high-performance network services.

### **For Enterprise and Edge**

For the most advanced enterprise and edge data center applications, the SolidWAN Dual LX2160A network solution boasts 32-core processing performance for advanced network security and accelerated data routing capabilities. With two SolidRun LX2160A COM Express 7 modules serving as the system’s foundation, each packing a 16-core NXP LX2160A SoC, up to 32GB of DDR4, up to 64GB of embedded eMMC, this SD-Wan- and software-defined network security-targeted system supports up to 24 dedicated high-speed Ethernet connections (12 10GbE SFP+ and 12 1GbE SFP interfaces). This system is also equipped with a 2x100GbE OCP3.0 Dual Host NIC which features two dedicated 100GbE QSFP28 interfaces. What’s more surprising than the number of dedicated high-speed connections this system supports is its size. Thanks to the purpose-built, network-focused design of the SoCs used and the thermal efficiency of Arm processors, SolidRun was able to engineer this system to fit within a standard 1U rack-mountable enclosure.

For less intense applications, SolidRun offers a SolidWAN Single LX2160A network solution that features a single NXP LX2160A SoC and supports up to 16 high-speed Ethernet connections (8 10GbE SFP+ and 8 1GbE SFP interfaces). This system is equipped with 4x10GbE OCP3.0 NIC which features four dedicated SFP+ interfaces. Like the SolidWAN Dual LX2160A, this system also features a compact 1U rack-mountable enclosure.

As with many SolidRun network hardware solutions, the SolidWAN family of products offers SKUs that support a wide range of deployment environments and can be pre-configured for commercial applications where environmental conditions range between 0°C to 70°C, or for more extreme industrial applications where conditions range between -40°C to 75°C.

SolidWAN products are compatible with Linux-based SDN software applications, including DPDK, which provides data plane libraries and network interface controller polling-mode drivers for offloading TCP packet processing from the operating system kernel to processes running in user space. SolidRun has also partnered with several software developers to offer full SD-WAN and security service software to customers.

For more information about the new line of SolidWAN network hardware solutions from SolidRun, please visit <https://www.solid-run.com/arm-servers-networking-platforms/solidwan/>

For more information about SolidRun, please visit [www.solid-run.com](http://www.solid-run.com). SolidRun is a gold member of the NXP Partner Program.

## About SolidRun

SolidRun is a global leading developer of embedded systems and network solutions, focused on a wide range of energy-efficient, powerful, and flexible products. Our innovative compact embedded solutions are based on ARM and x86 architecture and offer a variety of platforms including SOMs (System-on-Module), SBCs (Single Board Computer) and industrial mini-PCs.

SolidRun offers a one-stop-shop for developers and OEMs, providing a complete service from hardware customization to software support and even product branding and enclosure design. With a mission to simplify application development while overcoming deployment challenges, SolidRun proudly provides customers faster time-to-market and lower costs.

### Specifications for SolidRun's SolidWAN Single and Dual solutions include:

	SolidWAN Single	SolidWAN Dual
<b>CPU</b>	Single NXP 16x Arm Cortex A72 up to 2.0GHz	Dual NXP 16x Arm Cortex A72 up to 2.0GHz
<b>RAM</b>	Up to 32GB (64bit DDR4)	Dual Up to 32GB (64bit DDR4)
<b>Network</b>	8x Ports dedicated Ethernet SFP 1GbE 8x Ports dedicated SFP+ 10GbE 4x Ports dedicated SFP+ 10Gbps (Intel NIC)	12x Ports dedicated Ethernet SFP 1GbE 12x Ports dedicated SFP+ 10GbE 2x Ports dedicated QSFP28 100Gbps (MLNX NIC)
<b>Storage</b>	8GB eMMC MicroSD M.2 / mSATA	Dual 8GB eMMC MicroSD M.2 / mSATA
<b>4G SIM support</b>	N/A	N/A
<b>Wifi support</b>	N/A	N/A
<b>AES Acceleration</b>	Yes	Yes
<b>Virtualization</b>	Yes	Yes