

ALL.SPACE

EdgeComputeAi™

Integrated, Service Aware, Distributed Edge Compute Platform

At the heart of our EdgeComputeAi™ integration is the principle idea that networks should be able to redistribute and manage computational workloads anywhere from the core to the edge.

The S2000 brings computing and data storage closer to the sources of data at the edge of your network to improve response times and save bandwidth, key to creating richer user experiences while handling the growing data processing demands coming from new constellations in LEO and MEO.

The S2000 range is the first platform in the world that provides concurrent, multi-network access options to Multiple Networks, offering high-speed connections to multiple cloud platforms. Now, you can combine that unrivalled network connectivity with how and where you choose to manage your computational workloads for a range of applications.

When combining the S2000 Satellite and Cellular communications platform with our optional, plug-in EdgeComputeAi™ enables the highest application uptime availability in the industry, the best possible end-user experience at the lowest operating network costs whilst running secure or non-secure applications, deep learning, or AI-capable processing nodes right at the very edge of your network and on the move.

Optimize and control your use of the cloud, decide when and where you compute, and ensure the most efficient use of your bandwidth resources and application performance, minimizing bandwidth costs and maximizing operational efficiency and application performance.

“Spin up” other clouds and compute network resources when you need them through the world’s first and only concurrent multi-link terminal. Our unparalleled access to satellite bandwidth throughout the all.space platform dynamically provisions bandwidth for secure and public cloud access when you need it, through any network satellite or cellular and from wherever you are.

Operate as an edge computing device in addition to leveraging public or private clouds on-premises through scalable multi-link bandwidth. Distribute your computing workloads locally and through multiple satellite network providers of choice for the first time - all working intelligently and in concert.

Manage your local and cloud computing all.space end-points through a single dashboard, shared access, and identity management. Rich catalogue of API cloud services and software, allowing you to deploy cloud services locally onto the all.space platform or move your computational needs up to your data centre, public or secure clouds.

The S2000 range multi-purpose bays accommodate both the Kontron and Intel edge compute models ideal for high-performance processing, AI, deep learning and all similar applications that demand high-speed processing and low-latency deterministic computing.



EdgeComputeAi™ Capabilities



Processor Options

11th Gen Intel® Core™ U-Series processors (up to 28 W TDP)

Intel® Celeron® 6000 Series processors (15 W TDP)



2x DDR4 SO-DIMM memory socket (options up to 64 GByte)



1x GbE LAN for Ethernet



2x USB 3.2 Gen 2, 2x USB 2.0 for USB device connection



1x RS232/422/485 for serial device connection or 8-bit DIO for device / signal control (I2 C, UART, GSPI)



1x SATA 3.0 for onboard storage



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