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### **FOR IMMEDIATE RELEASE**

Press Release No:2041

2 July 2026

## **Metromatics Introduces Spectra XSR Spire Rugged Embedded Computer for Persistent Edge Processing**

### **PRESS RELEASE**

**Brisbane, QLD — 2 July 2026** — Metromatics is pleased to announce the availability of the **XSR Spire Rugged Embedded Computer** from Spectra Defense Technologies to customers across Australia and New Zealand.

Designed for persistent edge processing across modern defence platforms, the XSR Spire delivers high-performance mission computing, secure networking and software-defined functionality within a compact, sealed architecture optimised for sustained operation in harsh military environments. Built on Spectra's proven XSR platform, the rugged embedded computer supports airborne, ground vehicle and multi-domain applications where real-time processing and low Size, Weight and Power (SWaP) are critical.

Powered by the Intel® Xeon® W-11865MRE processor, the XSR Spire is engineered to support mission-critical applications including sensor fusion, tactical networking, Edge AI and machine learning inference, battlefield management systems, mission command and vehicle autonomy. Its persistent onboard architecture enables data to be processed and consumed at the tactical edge, reducing latency while supporting faster operational decision-making and improved situational awareness.

Designed to withstand demanding operational environments, the XSR Spire features a sealed enclosure engineered to meet IP66 and IP67 environmental sealing requirements, passive convection cooling with no moving parts and an improved thermal design that supports sustained processing under elevated ambient temperatures and demanding compute workloads. The platform is designed to meet MIL-STD-810H environmental requirements, MIL-STD-461G electromagnetic compatibility requirements, MIL-STD-704F airborne power requirements and MIL-STD-1275E ground vehicle power requirements, providing a robust computing solution for defence platforms operating across air and land domains.

Supporting flexible mission integration, the XSR Spire offers up to 96 GB DDR4 ECC memory and up to 16 TB of persistent onboard NVMe storage, together with copper and fibre Ethernet connectivity up to 10 GbE. Optional mission interfaces include CAN Bus, ARINC 429 and MIL-STD-1553B, while expansion options supporting either a single XMC slot or dual mPCIe modules allow system integrators to tailor the platform to evolving mission requirements.

The XSR Spire complements Spectra's rugged data recorder portfolio by providing a persistent onboard computing platform optimised for edge processing, secure networking and software-defined mission functionality. By concentrating SWaP on mission processing while simplifying platform integration, the system provides defence organisations and systems integrators with a flexible embedded computing solution for next-generation C5ISR, autonomy and multi-domain operations.

Metromatics supplies Spectra Defense Technologies' rugged computing, secure networking, data recording and visualisation solutions throughout Australia and New Zealand, providing local engineering expertise and technical support for defence, aerospace and mission-critical applications.

### **About Spectra Defense Technologies**

Spectra Defense Technologies develops rugged computing, display and secure data solutions supporting defence and national security missions across air, land, sea and autonomous platforms.

### **Discover More**

Contact Metromatics: 07 3868 4255

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### **About Metromatics**

Metromatics is a trusted Australian distributor of rugged computing and industrial electronics, specialising in embedded systems, field instrumentation, and digital signage. With over 35 years of experience, Metromatics partners with leading international brands to deliver tailored solutions for Defence, Government, Transport, and Industry.

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