TriCIS

TriCIS pride themselves on being a collaborative partner and have worked hard since their inception to bring innovative ideas to life in conjunction with the changing face of security and the challenges it brings. At its heart, its people have in excess of over 30 years experience in designing and modifying computing, networking and peripheral equipment to meet military and HMG security requirements.

TriCIS have a rich history of collaboration and work with like-minded companies to respond to threats. Dell have invested in TriCIS to enhance their latest rugged range of devices to work at the higher security tiers.

This enables TriCIS to take the DELL rugged product range into the specific areas and applications within HM Government, MOD and all NATO Countries.

TriCIS have entered into an exclusive partnership with Viasat to take their approved NCSC encrypted data at rest drive solution and integrate it into the DELL rugged series.

The encryption module is supplied from Viasat and utilizing a custom circuit, TriCIS are able to interface the device with a modern M.2 SSD drive, exponentially increasing read/write speeds and allowing drive sizes exceeding 2 terabytes. The Eclypt Inline Encryption Module (EIEM) thus provides a fit-for-purpose solution at the correct security levels for customers with hardware encryption requirements.

In addition to the data-at-rest protection provided by the Eclypt crypto device, the DELL chassis provides a robust response to environmental challenges with it's range of IP-ratings and MIL-STD compliance. Furthermore, TriCIS are able to utilize their EMSEC expertise to modify the rugged series further to provide TEMPEST shielding. These modifications reach the highest attainable UK CFTCS TEMPEST standard, SDIP 27/2 Level A.

DELL Semi-Rugged 5424

DELL Rugged Extreme 7424

By embedding the Viasat supplied module into the data path of a storage device, it is capable of performing cryptographic services, authentication, data encryption and data decryption.

This configuration is certified up to the Eclypt 600 standard. Classifications for individual territories can be seen below.

We can therefore utilise the EIEM to provide a CAPS approved hardware solution based on the same Eclypt architecture from the traditional core drives.

PROTECTION LEVEL	VIASAT ECLYPT CONFIGURATIONS	UNITED KINGDOM SECURITY CLASSIFICATION CAPS CESG Assisted Products Service	UNITED STATES CLASSIFICATION	CANADA SECURITY CLASSIFICATION Government Approved Canada	NATO ACCREDITATIONS
	600	Secures Top Secret & Below		Secures Top Secret & Below	Secures NATO Secret & Below
	300	Secures Restricted or Official-Sensitive (Impact Level 3) & Below			Secures NATO Restricted & Below
	200	Secures up to Protect or Sensitive (Impact Levels 1 & 2)	Secures Sensitive (Unclassified) Data	Secures Protected A&B (Unclassified) Data	Secures Sensitive (NATO Unclassified) Data