CAPTEC

SPECIALIST COMPUTER PLATFORMS FOR DEFENCE

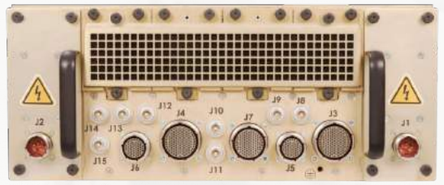
Specialist off-the-shelf, customised and bespoke computing platforms that meet exact defence application requirements.

We can customise, configure and engineer our platforms to meet the unique requirements of defence programmes.

Racks

Full-height, half-height, mobile and man-portable rack platforms for instantly deployable, maximum performance defence computing. Our racks are designed for performance and protection in the world's harshest environments.

We can source, configure or build any computing platform if you can't find what you're looking for in our existing portfolio.



Specialist Computers

High-end military computers and servers customisable to meet the unique requirements of mission-critical defence applications. These high performance, long-life, ruggedised platforms are specifically designed for airborne, shipboard, ground vehicle and command centre applications in challenging defence environments.

Can't find the platform right for your application in our existing range? Get in touch with us and let us help you find it.

Tablets

Rugged tablet platforms designed for defence applications on the move in challenging conditions. These intel-supported platforms come in a range of screen sizes and feature IP-rated protection. All our tablets can be supported by custom vehicle dock design and tailored through-life support.

Our tablet specialists can work with you to source, customise or design a tablet, if you can't find what you need in our range.

Why work with Captec?

We know that the success of defence applications is dependent on performance, reliability and longevity. That's why we collaborate with you to understand your core requirements, and develop a tailored solution that delivers results while reducing your cost of ownership.

For highly complex applications, our innovative design to order service ensures even the most demanding needs are fully satisfied.

- Off-the-shelf portfolios
- Customise and configure to order service
- Design to order service
- Bespoke SLAs
- Worldwide service centres
- Cyber Essentials certified

Queen's Award for Enterprise

Proud recipients of the Queen's Award for Enterprise, the UK's highest accolade for business success.

The award is recognition of our unwavering commitment to international trade and development, corporate social responsibility and positive business relations.

Our combined business, technical, operational and support capabilities are in place to deliver complete solutions to the defence industry.

We engineer reliability, provide comprehensive support, guarantee compliance, maximise longevity and overcome the limitations of commercial computing in challenging environments.

COTS Technology
Unlock cost and timescale advantages through our off-the-shelf portfolio.

Configured or designed to order
Customised or bespoke SWaP optimised builds tailored to your application.

End-to-end in-vehicle services
Tablet design, customisation, site surveys, bespoke fittings, custom mounting and support.

Documentation
Complex bills of material managed. One solution, one order, one touchpoint.

Compliance, certification & testing
Defence approvals guaranteed with innovative designs and pre-compliance testing.

Services & lifecycle support
Longevity maximised through validation, integration, through-life support and obsolescence management.

Integration-ready Full-height Rack Platform

Designed for critical defence applications in demanding environments, our full-height rack comes with network, cooling and power pre-installed.

Available Space	Construction	Power Distribution	Ethernet Switch	Compliance
38U	Welded frame	1 x 12 port sequential PDU, IEC320, 1 x 6 port passive PDU, UK 13amp	24 port, Layer 3	To order

Key Features:

- Simplified installation and setup
- Robust construction for protection in challenging environments
- Reduced power consumption and noise levels
- Inrush and power issues prevented
- Layer 3 networking and 24 port networking switch
- Installation issues mitigated

Integration-ready Half-height Rack Platform

Our cost-effective and flexible half-height rack has been developed to support smaller defence deployments and applications where equipment space is limited.

Available Space	Construction	Power Distribution	Ethernet Switch	Compliance
24U	Welded frame	1 x 12 port sequential PDU	24 port, Layer 3	To order

Key Features:

- Installation and setup streamlined and simplified
- Robust construction for reliable operation in challenging environments
- Inrush and power issues prevented
- Reduced power consumption and noise levels

Man-portable Rack Platform

Built to be carried anywhere. Our ruggedised man-portable solution is SWaP optimised, and is ideal for a range of applications including C3, C4ISR, EW, SATCOM, and ISTAR.

Available Space	Construction	Power Distribution	Ethernet Switch	Compliance
5U	Roto-molded exterior	1 x 6 port latching C13 passive PDU	24 port, Layer 3	DEF STAN 00-35. IP65. MIL-STD-810G

Key Features:

- Installation and setup streamlined and simplified
- 5U of available space for your hardware
- Stay connected, even in transport
- Mate and lock connectors
- Protection against shock
- No additional packaging required

Mobile Rack Platform

Our mobile rack platform has been designed with enhanced features to ensure it truly can go anywhere. It represents the ideal out-of-the box platform for mobile field applications where performance and deployment speed are essential.

Available Space	Construction	Power Distribution	Ethernet Switch	Compliance
12U	Roto-molded exterior	1 x 12 port sequential PDU	24 port, Layer 3	DEF STAN 00-35. IP65, MIL-STD 810 G, CE, WEEE, RoHS, REACH, LVD, EMC directive

Key Features:

- Installation and setup streamlined and simplified
- Stay connected, even in transport
- Mate and lock connectors
- Protection against shock
- Valuable floor space preserved
- No additional packaging required

Captec Military Computers

Our military 2U computers offering optimised performance in demanding military environments. These computers have been designed with COTS components to military-grade standards and come with a range of configuration options, as well as an enhanced product lifecycle.

Item Number	Form Factor	Depth	Storage	Architecture
MC-425-2	2U	383mm	2 x Hotswap SSD	Intel 4th Gen Core-i CPU
MC-425-4	2U	383mm	4 x Hotswap SSD	Intel 4th Gen Core-i CPU

Captec Military Computers Features:

- Intel Core i CPU for high processing power and performance
- Extremely short depth (383mm) for demanding space requirements
- Wide range of COTS component configuration options
- Long-life roadmap with structured obsolescence management options
- Military-grade compliance

Trenton Military Servers

We offer a full range of Trenton military computers and servers, designed for demanding government and defence applications. Trenton computers are long-life, high-performance and designed for airborne, shipboard, ground vehicle and command centre applications.

Item Number	Form Factor	Depth	Weight	Architecture
MBS2000	2U	480mm	20.6kg	4 x dual / single CPU compute modules (up to 8 Intel Xeon CPU in 2U)
TMS4710	4U	580mm	25.3kg	2 x dual or single CPU SBCs

Key Features:

- COTS products: Customised to meet your unique requirements
- SWaP optimised: From the chassis depth to extended temperatures, Trenton meet your size, weight and power requirements
- Long-life + REV control - 11+ year average availability of Trenton products and hardware revision control
- Bespoke Design – Captec and Trenton will collaborate with your engineers on electrical, mechanical, BIOS, and system management
- MIL-810G / MIL-461F standard computers and servers

Spartan Military Servers

Spartan rugged servers enable off-the-shelf components to be used in extreme environmental conditions. These compact dual Intel Xeon servers feature IP65-rated resistance against water, sand and dust, bringing big data processing to the tactical edge.

Item Number	Form Factor	Depth	IP Rating	Architecture
SP-SRV-2U-A-AC	2U	420mm	IP63	Dual Intel Xeon CPU (max 14 cores per CPU)
SP-SRV-2U-S-AC	2U	420mm	IP65	Dual Intel Xeon CPU (max 14 cores per CPU)

Key Features:

- Unique small form factor designed for short-depth rack requirements
- Active and passive cooling options
- Wide operating temperature range of -40°C to +60°C, including cold start
- Complete conformance to land, sea and avionics EMC and shock & vibration standards
- Highly powerful Dual Xeon 14 core processors with 256GB internal memory
- Range of qualified third party expansion card options

Dell Rugged Tablets

Dell tablets are ready for the world's harshest environments. Dell's signature Pro Support Plus offers award-winning service and protects you from downtime.

Model	Screen Size	CPU	IP Rating	Vehicle Mountable	Custom Military Connectors
Latitude 7212 Rugged Extreme	12-inch	Core i3/ i5/i7	IP65	Yes	To order

Key Features:

- Fully rugged, 12-inch tablet weighing only 1.27kg with Dell Data Protection
- Optional extended I/O module allows for two additional USB ports and Ethernet connection

Getac Rugged Tablets

Getac design and manufacture tablets from the chassis up to meet or exceed MIL-STD 810G and 461F ratings.

Model	Screen Size	CPU	IP Rating	Vehicle Mountable	Custom Military Connectors
T800	8.1-inch	Atom	IP65	Yes	To order
F110	11.6-inch	Core i5/i7	IP65	Yes	To order
ZX70	7-inch	Atom	IP67	Yes	To order

Key Features:

- LumiBond® 2.0 display recognising input through glove, pen and digitiser - even in wet conditions
- Industry-leading three year warranty as standard

Panasonic Rugged Tablets

Trusted by emergency services, military and industry customers worldwide, Panasonic offer a range of devices to suit your application needs.

Model	Screen Size	CPU	IP Rating	Vehicle Mountable	Custom Military Connectors
FZ-M1	7-inch	Core M	IP65	Yes	To order
FZ-G1	10-inch	Core i5	IP65	Yes	To order
FZ-A2	10-inch	Atom	IP65	Yes	To order

Key Features:

- Refreshed and up-to-date range, including USB 3.1 Type C variants
- Range of configurations and sizes, from 4.7-inch Android to 20-inch 4K Windows 10 Pro

Vehicle Docks

We offer an end-to-end vehicle installation service, including sourcing the right dock for your needs and application. We support generic devices from 5 to 10.1-inch, as well as a range of rugged docks for specific tablets, for professional and safe installation into your fleet.

Key Features:

- All docks certified to SAE J1455
- Custom dock designs to incorporate custom I/O and military standard connectors
- Variety of options, from passive cradles to port replication with power and RF pass through
- Complete installation with all adaptors, looms and consumables supplied and fitted by Captec

For more information, get in touch with our specialists to discuss how we can enhance and support your next defence project.

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