

CURRENT DEPLOYMENTS

U.S. AIR FORCE

When lives are on the line, reliability matters. That's why when an application demands fail-safe computer architecture that withstands harsh conditions, defense and industry leaders choose Crystal Group rugged electronics.

Crystal Group designs and manufactures commercial off-the-shelf and customized rugged computer hardware and provides system integration, configuration management, product life-cycle planning, and complete technical support. The employee-owned small business is fully operated in Hiawatha, Iowa, where it was founded in 1987.

Combat-proven rugged computing devices from Crystal Group include industry-leading servers, displays, networking products, embedded computers, and data storage backed by 5+ year warranties. Crystal Group is certified to quality management standards AS9100C:2009 and ISO 9001:2008, and its products meet or exceed military, IEEE, and IEC industrial standards.

Reliability matters. Crystal Group delivers. Superior quality you can trust.



A clear advantage.

ACES HY

Airborne Cueing and Exploitation System – Hyperspectral

AEHF

Advanced Extremely High Frequency

AEHF Ground Relay Stations

Advanced Extremely High Frequency

B-2 Bomber

B-2 Adaptable Communications Suite

EC-130H Compass Call

Gorgon Stare

KC-46 Aerial Tanker

TMAN

Trusted Manager



CRYSTAL GROUP SUPPORT FOR U.S. AIR FORCE

ACES-HY

Advanced infrared sensor detects, identifies, and locates targets in real time based on spectral characteristics.

Crystal products deployed: RS, RSS

AEHF

Joint service system enables global, secure satellite communications among high-priority military assets.

AEHF Ground Relay Stations

Critical hardware relays secure satellite communications to strategic military units and platforms.

Crystal product deployed: RS chosen due to ability to modify an existing Radiant Mercury configuration

B-2 Stealth Bomber ACS

Rugged communications hardware on stealth bomber aircraft shares mission-critical information.

Crystal products deployed: RS112, RS112PS18M, RD1119

EC-130H Compass Call

Electronic attack aircraft disrupts and denies enemy command-and-control communications.

Crystal products deployed: RS112, RS378, Configuration Management

Gorgon Stare

Wide-area sensor surveillance system on unmanned aircraft captures and transmits motion imagery in real time.

Crystal products deployed: suite of rugged servers, switches and storage equipment to capture, process, and store the imagery both on the aircraft and within the ground station.

KC-46 Aerial Tanker

Multi-mission refueling tanker features an advanced data network with video capabilities and large-format display.

TMAN

Secure platform facilitates data sharing among networks with different security classifications.

Learn more at crystalrugged.com/Military-Current-Deployments.pdf



RS112PS18M



RD119



RS378



Metromatics

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