



## NEWS RELEASE

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### **Curtiss-Wright Enhances Family of Rugged Touchscreen Displays for Ground Vehicles**

***New range of GVDU Ground Vehicle Display Units offer superior PCAP touch technology and GVA/VICTORY-ready features such as Video Over Ethernet***

AUSA 2018, Washington, D.C. (Booth #1607) – October 8, 2018 -- [Curtiss-Wright's Defense Solutions division](#) today announced that it has expanded its family of [mission critical rugged displays optimized for the ground vehicle market](#) with superior Projected Capacitive (PCAP) multipoint touch screen technology. Multipoint touchscreen technology enables operators to use familiar smartphone interface techniques to annotate, draw and manipulate screen images. In contrast, traditional resistive touch screens are only able to respond to the touch of a single finger. What's more, in harsh aerospace and military environments, resistive touch panels typically have lower resistance to shock and shorter lifecycles, when compared to rugged PCAP displays. Additional benefits of PCAP include improved brightness and contrast, a thinner and lighter display head, and reduced costs compared to resistive technology-based alternatives. The new GVDU displays are built GVA/VICTORY-ready, with support for DEF-STAN 00-250 compliant bezel buttons that deliver optimal tactile response in high vibration environments. The display's bezel buttons are positioned along the sides of the unit and are fully programmable via USB. In addition, to address growing requirements for standards-based vehicle electronics architectures, the GVDU displays support DEF-STAN 00-82 Video over Ethernet (VoE), ensuring that the display will work in any GVA/VICTORY compliant Ethernet system architecture.

"We are very excited to announce our new PCAP-based GVA/VICTORY-ready Ground Vehicle Display Units," said Lynn Bamford, Senior Vice President and General Manager, Defense Solutions division. "With the new GVDU range of displays, Curtiss-Wright provides vehicle system integrators with an unparalleled combination of integration, optimized configuration and

longevity of supply, all at a price that fits the sensitive budgets of ground vehicle system applications. End-users will appreciate the clarity and brightness of these displays, while benefitting from the ease of use and long-term reliability in the harshest of environments.”

### **About PCAP Technology**

Capacitive touchscreen displays work by detecting a change in capacitance on the screen and require no pressure to be applied. Of the two types of capacitive touchscreen technologies, projected and surface, PCAP displays have more accurate touch sensing. PCAP uses a conductive grid to create an electrostatic field that enables GVDU users to very accurately control their visual data with the touch of one or multiple fingers or via the use of a conductive stylus.

### **About Curtiss-Wright GVDU Displays**

Designed for use in extreme environments and applications, Curtiss-Wright’s GVDU range of displays has been developed with ground vehicle requirements in mind. Available in 10.4”, 12.1”, and 15.6” (for larger sizes, such as 17” and 21.5”, contact the factory) these [size, weight, and power \(SWaP\)-optimized](#) displays are fully qualified to established military environmental standards, and support a wide variety of video sources.

### **Standard GVDU Performance Features:**

- MIL-STD Rugged design
- High brightness, high contrast screen
- Sealed interface connectors
- Flexible mounting options
- RS-2422, and USB and CAN Bus control interfaces
- Optional NVIS
- Removable storage

GVDU displays deliver a unique combination of new technology. They feature optically-bonded glass for optimal anytime readability, to reduce internal reflection and enhance contrast, making them suitable for use in conditions of high incident light. Their internal embedded processor supports an enhanced set of data interfaces, including Ethernet, USB, RS-232/RS-422 and GPIO. The processor also provides the DEF-STAN 00-82 VoE capability, handles graphics input to the displays, and receives all touchscreen and bezel button operations. In addition, the

built-in intelligence can be used to implement a map display, function as a mission computer, or decompress and display network video, amongst many other possibilities.

GVDU displays can operate stand alone or act as part of an integrated [video management system \(VMS\)](#) that includes Curtiss-Wright's [Rugged Video Gateway \(RVG\) products](#) and [VRDV7000 video recorder](#).

For additional information on Video Management Systems, including mission display, video recorder, and video distribution products, please visit [www.curtisswrightds.com/vms](http://www.curtisswrightds.com/vms).

Sales inquiries: Please forward all Sales and reader service inquiries to [ds@curtisswright.com](mailto:ds@curtisswright.com).

For more information about Curtiss-Wright's Defense Solutions division, please visit [www.curtisswrightds.com](http://www.curtisswrightds.com).

### **About Curtiss-Wright Corporation**

Curtiss-Wright Corporation is a global innovative company that delivers highly engineered, critical function products and services to the commercial, industrial, defense and energy markets. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing reliable solutions through trusted customer relationships. The company employs approximately 8,600 people worldwide. For more information, visit [www.curtisswright.com](http://www.curtisswright.com).

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