



GENERAL MICRO SYSTEMS, INC.

RUGGED COTS SMART DISPLAYS

ABOUT RUGGEDVIEW™

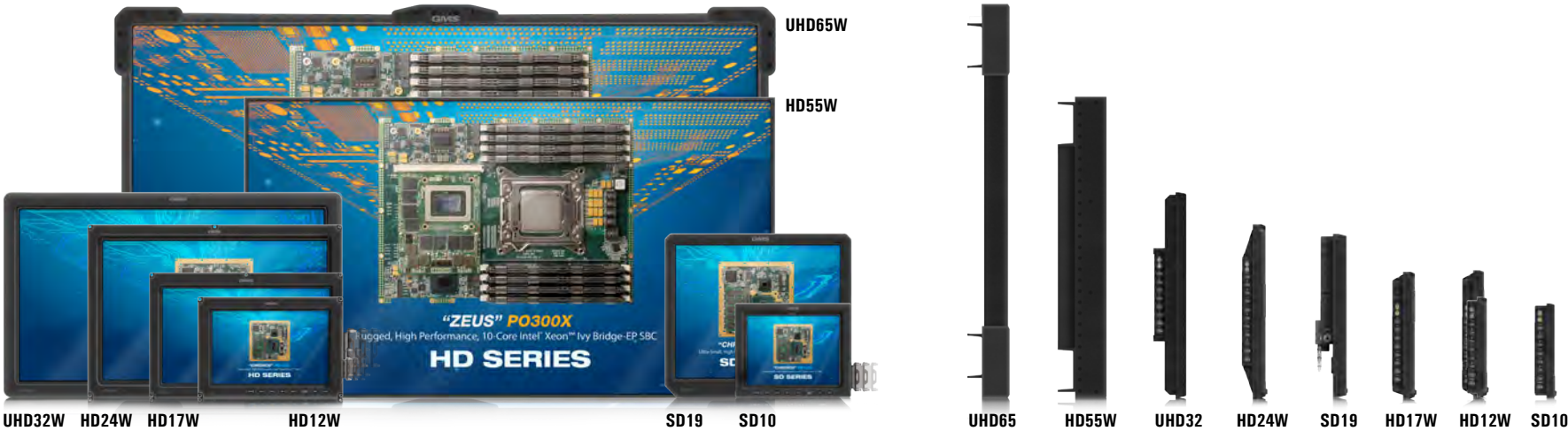
GMS' RuggedView™ smart displays are the most advanced smart displays on the market. They provide exceptional ruggedness, functionality, and performance at a price point that has never before been reached. GMS smart displays utilize GMS SBC technology which provide an extremely low profile system (less than 2 inches thick), while allowing maximum flexibility for selection of CPU performance.

RuggedView™ smart displays offer a full range of display sizes from 10" to 65" in 4:3 and 16:9 formats with resistive and capacitive touch screens, NVIS, special coatings, such as anti-reflection (AR) and anti-glare (AG), and optional "boot kick" protective glass for extreme rugged applications.



These RuggedView™ displays have fully configurable, high performance CPUs that allows a wide range of high speed I/O and expansion I/O sites. This modularity is achieved via GMS' proprietary Flex I/O™, the customer may select what SBC I/O is provided on the display and fully customize the bezel with function keys.

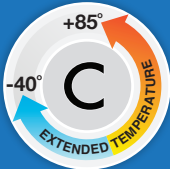
Product	Screen Size	Dimensions W x H x D	Resolution	Aspect	Touchscreen	Brightness	CPU Options
SD10-1002	10.4"	10.5" x 8.5" x 1.75"	1024 x 768	4:3	Resistive	700 nits	Core™ i7
HD12W-1002	12.1"	13.0" x 9.0" x 1.76"	1280 x 800	16:10	Resistive	1200 nits	Core™ i7
HD17W-1002	17.3"	17.38" x 11.25" x 2.0"	1920 x 1080	16:9	Resistive	800 nits	Core™ i7
SD19-1002	19"	16.9 x 14.78" x 3.22"	1260 x 1024	5:4	Resistive	700 nits	Core™ i7
HD24W-1002	24"	23.0" x 15.6" x 2.08"	1920 x 1080	16:9	Resistive	800 nits	Core™ i7
UHD32W-1002	31.5"	30.6" x 18.5" x 2.88"	3840 x 2160	16:9	Capacitive / IR	450 nits	Core™ i7
HD55W-1002/302	54.6"	48.06" x 27.23" x 4.4"	1920 x 1080	16:9	Capacitive / IR	700 nits	Core™ i7/Xeon®
UHD65W-1002/302	64.5"	59.77" x 35.57" x 3.8"	3840 x 2160	16:9	Capacitive / IR	350 nits	Core™ i7/Xeon®



RUGGED COTS C⁴ISR SYSTEMS SINCE 1979

(800) 307-4863 | www.gms4sbc.com

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ABOUT GMS

Since its inception in 1979, General Micro Systems, Inc. (GMS) has been true to its Mission Statement: "To Become the World's Leading Technology **Independent Supplier** of Computing Engines, while Providing the **Best Price/Performance**, Quality and Customer Support, Demanded by Our Current and Our Future Customers."

In its 36th year in the embedded computing market, GMS is the oldest supplier of embedded computers in the world. GMS designs and manufactures from the ground up rugged Single Board Computers (SBCs), Small Form Factor systems, smart displays, routers and switches and sealed 1U and 2U rack mount servers. In addition, GMS has been registered and certified to internationally recognized ISO 9001:2008 since 1999. With our growing involvement in military and aerospace programs, our quality system exemplifies the highest standard of AS-9100C.

GMS will always strive to provide customers with the solutions they need to stay ahead of their competition - at the lowest possible price without compromising quality or customer service!

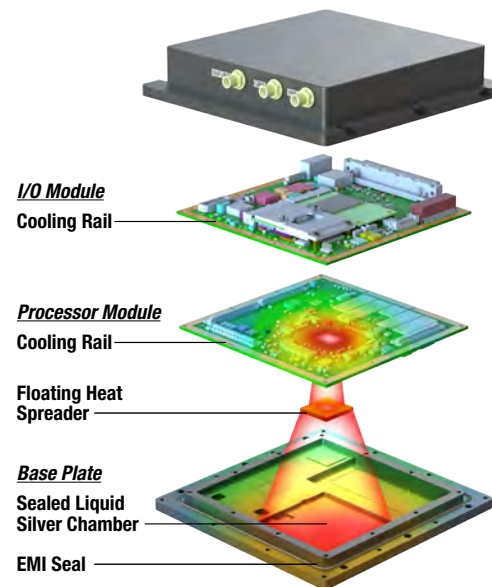
RUGGEDCOOL™ TECHNOLOGY

All General Micro Systems' products are equipped with GMS' patent pending RuggedCool™ technology, which is the only method that allows systems using Intel-based CPUs with a TjMax of 105°C to operate in a -40°C to +85°C environment at full operational load - without throttling the CPU!

Instead of using thermal gap pads to conduct heat from the CPU to the system's interface to the cold plate, like all other rugged computer system manufacturers, GMS uses RuggedCool™, which employs a corrugated alloy slug with an extremely low thermal resistance to act as a heat spreader at the processor die. Once the heat is spread, a liquid silver compound in a sealed chamber is used to transfer the heat from the spreader to the system's enclosure. This approach yields a temperature delta of less than 10°C from the CPU core to the cold plate and increases shock and vibe resistance.



GMS Headquarters
Rancho Cucamonga, CA



RUGGEDVIEW™ SD10-1002

Rugged, Standard Definition Smart Display with Removable Drive

- Up to 2.4GHz Intel® Quad Core™ i7 Haswell processor
- 10.4" display, 4:3 format with 1024x768 screen resolution
- Daylight viewable touchscreen with optional NVIS mode
- Ultra-small and lightweight frame, less than 2 inches thick!



RUGGEDVIEW™ SD19-1002

Rugged, Standard Definition Smart Display with Removable Drive

- Up to 2.4GHz Intel® Quad Core™ i7 Haswell processor
- 19" display, 5:4 format with 1280x1024 screen resolution
- Daylight viewable touchscreen with optional NVIS mode
- Ultra-small and lightweight frame, less than 3 inches thick!



RUGGEDVIEW™ HD24W-1002

Rugged, High Definition Smart Display with Removable Drive

- Up to 2.4GHz Intel® Quad Core™ i7 Haswell processor
- 24" screen, 16:9 format with 1920x1080 screen resolution
- Daylight viewable touchscreen with optional NVIS mode
- Ultra-small and lightweight frame, less than 2 inches thick!



RUGGEDVIEW™ UHD65W-1002 / 302

Rugged, Ultra High Definition Smart Display with Removable Drives

- Intel® Quad Core™ i7 or 10-Core Xeon® processor options
- 65" display, 16:9 format with 3840x2160 (4K) resolution
- Daylight viewable touchscreen with optional NVIS mode
- Less than 3 inches thick with bezel button controls



For full product listing, please visit gms4sbc.com/products

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