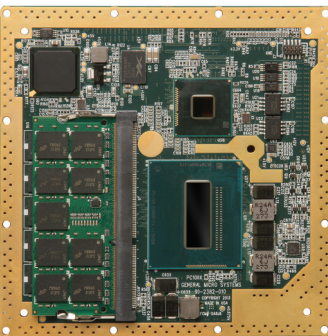


SB1002 SERIES PRODUCT CONFIGURATION



- “CHRONOS” PB100X**
Ultra-Small, High Performance, Intel® Quad Core™ i7 SBC
- Drop-in replacement for PC80x (Penryn) and PC90x (Dual/Quad Core i7) SBC
 - Up to 2.4GHz Intel® Quad Core™ i7 Haswell processor with 6MB of L2 Cache
 - Up to 32GB of 1600MHz DDR3 memory with ECC
 - Three Gigabit Ethernet ports with TCP/IP Offloading Engine
 - Four USB 3.0 and ten USB 2.0 ports
 - Three Display Port and one VGA port
 - Six SATA 6Gb/sec ports and full HD-Audio support
 - Six x1 PCI Express lanes and three x4 PCI Express lanes
 - Dual 8MB BIOS boot devices with write-protect
 - Support for Active Management Technology (AMT) for remote KVM functions
 - Supports Intel Virtualization Technology (VT-x/VT-d) for best performance
 - Full power-management control for sleep/hibernate operation
 - CPU temperature and voltage monitoring for safe operation
 - Extensive Built-In-Test (BIT) and Extended BIT (eBIT) for diagnostics
 - Support for Windows®, Linux® and VxWorks®
 - Ultra-low power requirements - as low as 25W total
 - Ultra-small footprint only 4.5" x 4.5"
 - Operates at standard temp 0°C to +55°C or extended temp -40°C to +85°C (Optional)
 - Available in ruggedization levels R1-R5



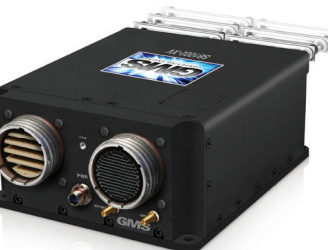
- “GOLDEN-EYES” SB1002-MD**
Rugged, Small, Dual, Fully Isolated Systems with Removable Drives
- Fully supports Multi-Domain, NSA-secure architecture
 - Two fully independent systems (Red/Black) Each with:
 - Up to 1TB of sealed removable nDrive™ SSD drives
 - Up to 1TB of fixed SSD for OS boot
 - Seven Gigabit Ethernet ports with TCP/IP Offloading Engine (TOE)
 - Six USB 2.0 ports and two Serial ports with RS-232/422/485 options
 - Dual DVI/HDMI ports and one RGB video port
 - Eight buffered General Purpose I/O lines
 - Two SAM™ sites for custom I/O (Mil-STD-1553, Wi-Fi/BT, GPS, etc.)
 - Tamper-proof hardware with optional secure-erase
 - Ultra-low SWaP only 5.4" x 6.5" x 2.75" @ 6 lbs. and as low as 60W total
 - Compliant to MIL-STD 810G, MIL-STD 1275D, MIL-S-901D, DO-160D, MIL-STD 461E and IP66
 - Operates at standard temp -20°C to +75°C or extended temp -40°C to +85°C (Optional)
 - Available in ruggedization levels R3-R5



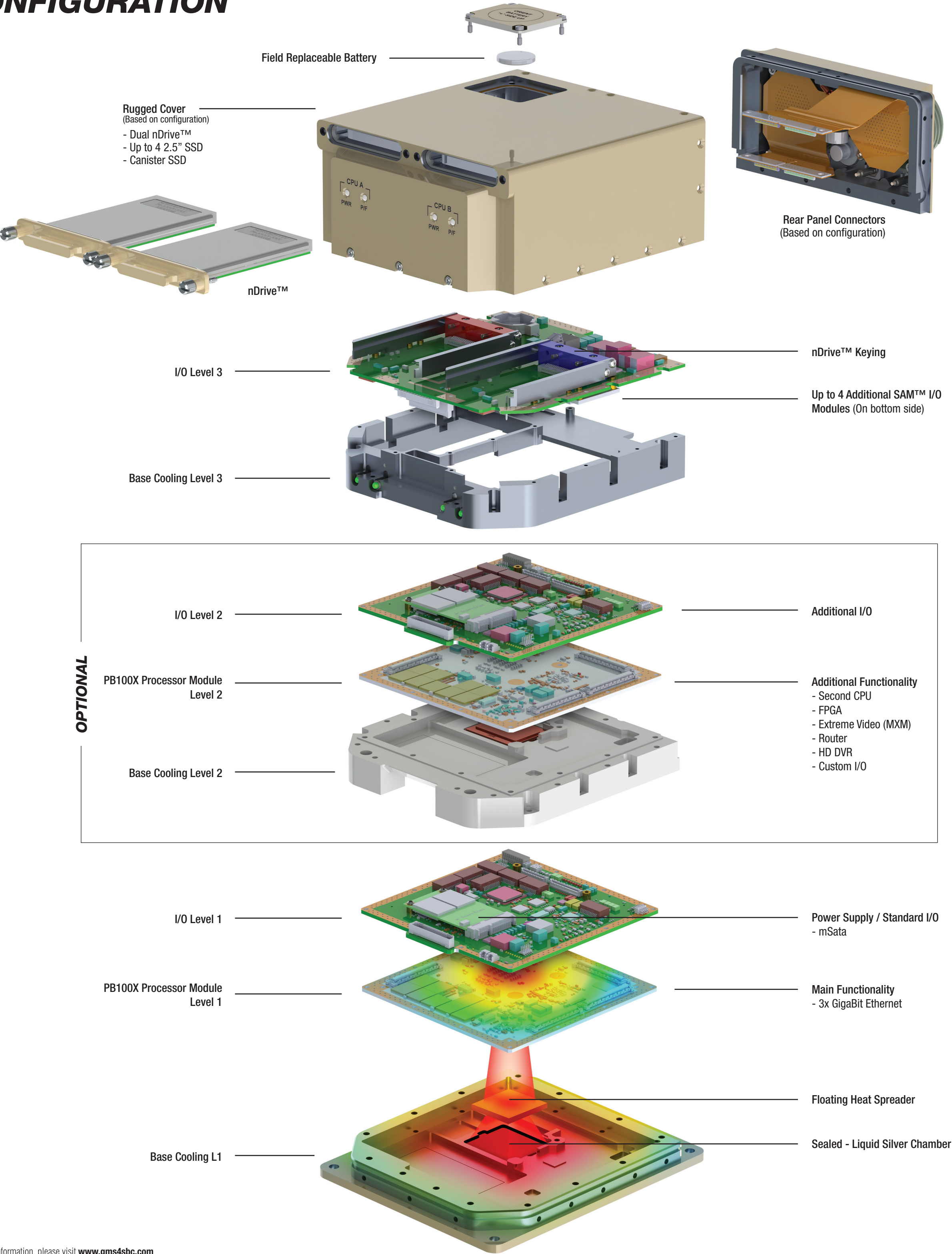
- “GOLDEN-EYE” SB1002-SVM**
Rugged, Small, Secure Virtual Machine System with Removable Drive(s)
- Supports up to three "Secure Virtual Machine" (SVM™) I/O architecture
 - Each I/O site is fully isolated from other sites for secure safe operation
 - Up to two removable fully sealed drives (nDrive™), up to 1TB each
 - Up to 1TB of fixed SSD for OS boot
 - Eight USB 3.0 and six USB 2.0 ports with power
 - Dual DVI/HDMI ports and one RGB video port
 - Nine Gigabit Ethernet ports with TCP/IP Offloading Engine (TOE)
 - Support for dual redundant SDI (SMTPE-259/292/424/425) video outputs (Optional, lose one DVI/HDMI)
 - Five Serial ports with RS-232/422/485 options and Eight buffered GPIO lines
 - Two SAM™ sites for custom I/O (Mil-STD-1553, Wi-Fi/BT, GPS, etc.)
 - Tamper-proof hardware with optional secure-erase
 - Ultra-low SWaP only 5.4" x 6.5" x 2.0", @ 5 lbs. and as low as 50W total
 - Compliant to MIL-STD 810G, MIL-STD 1275D, MIL-S-901D, DO-160D, MIL-STD 461E and IP66
 - Operates at standard temp -20°C to +75°C or extended temp -40°C to +85°C (Optional)
 - Available in ruggedization levels R3-R5



- “RAVEN” SB1002-RT**
Rugged, Small, 12-Port Intelligent Router System with Removable Drive(s)
- Two 10Gigabit Ethernet Ports with TCP/IP Offloading Engine (TOE)
 - Ten Gigabit Ethernet ports with TCP/IP Offloading Engine (TOE)
 - One Gigabit Ethernet port for router configuration
 - Supports Layer III software routing functions with customizable rules
 - Ethernet ports connect to 12 individual or one large Mil circular connectors
 - Up to two removable fully sealed drives (nDrive™) up to 1TB each
 - Up to 1TB of fixed SSD for OS boot
 - Two SAM™ sites for custom I/O (Mil-STD-1553, Wi-Fi/BT, GPS, etc.)
 - Support for six USB 2.0 ports with power and two Serial ports with RS-232/422/485 options
 - Support for dual redundant SDI (SMTPE-259/292/424/425) video outputs (Optional, lose one DVI/HDMI)
 - Ultra-low SWaP at 5.4" x 6.5" x 2.75", @ 5 lbs. and as low as 50W
 - Compliant to MIL-STD 810G, MIL-STD 1275D, MIL-S-901D, DO-160D, MIL-STD 461E and IP66
 - Operates at standard temp -20°C to +75°C or extended temp -40°C to +85°C (Optional)
 - Available in ruggedization levels R3-R5



- “PEACOCK” SB1002-XV**
Rugged, Small, Extreme Video System with Removable Drive(s)
- Supports Nvidia® Cuda™ GPU with 2GB GDDR5 SDRAM
 - Supports up to 64X FSAA and 30-bit color fidelity (10-bits per color)
 - Up to five video ports
 - Support for dual redundant SDI (SMTPE-259/292/424/425) video outputs (Optional, lose one DVI/HDMI)
 - Up to two removable fully sealed drives (nDrive™) up to 1TB each
 - Up to 1TB of fixed SSD for OS boot
 - Two USB 3.0 and six USB 2.0 ports with power
 - Up to seven Gigabit Ethernet ports with TCP/IP Offloading Engine (TOE)
 - Two Serial ports with RS-232/422/485 options and eight GPIO lines
 - Two SAM™ sites for custom I/O (Mil-STD-1553, Wi-Fi/BT, GPS, etc.)
 - Ultra-low SWaP only 5.4" x 6.5" x 2.75", @ 5 lbs. and as low as 60W total
 - Compliant to MIL-STD 810G, MIL-STD 1275D, MIL-S-901D, DO-160D, MIL-STD 461E and IP66
 - Operates at standard temp -20°C to +75°C or extended temp -40°C to +85°C (Optional)
 - Available in ruggedization levels R3-R5



- “OSPREY” SB1002-HS**
Rugged, Small, High-Speed I/O System with Removable Drive(s)
- High-Speed I/O interconnect with USB 3.0, SATA 6Gb/s and Display Port
 - Up to two removable fully sealed drives (nDrive™) up to 1TB each
 - Up to 1TB of fixed SSD for OS boot
 - Four USB 3.0 and six USB 2.0 ports with power
 - Seven Gigabit Ethernet ports with TCP/IP Offloading Engine (TOE)
 - Dual DVI/HDMI ports and one RGB video port or dual redundant SDI (SMTPE-292)
 - Two Serial ports with RS-232/422/485 options and eight GPIO lines
 - Two SAM™ sites for custom I/O (Mil-STD-1553, Wi-Fi/BT, GPS, etc.)
 - Ultra-low SWaP only 5.4" x 6.5" x 2.0", @ 5 lbs. and as low as 40W total
 - Compliant to MIL-STD 810G, MIL-STD 1275D, MIL-S-901D, DO-160D, MIL-STD 461E and IP66
 - Operates at standard temp -20°C to +75°C or extended temp -40°C to +85°C (Optional)
 - Available in ruggedization levels R3-R5



- “CONDOR” SB1002-R4**
Rugged, Small, High-Speed I/O System with Removable Drive(s)
- Up to 8TB of removable SSDs as four individual drives or as single canister (Optional)
 - High-Speed I/O interconnect with USB 3.0, SATA 6Gb/s and Display Port
 - Up to two removable fully sealed drives (nDrive™) up to 1TB each
 - Up to 1TB of fixed SSD for OS boot
 - Four USB 3.0 and six USB 2.0 ports with power
 - Seven Gigabit Ethernet ports with TCP/IP Offloading Engine (TOE)
 - Dual DVI/HDMI ports and one RGB video port or dual redundant SDI (SMTPE-292)
 - Two Serial ports with RS-232/422/485 options and eight GPIO lines
 - Two SAM™ sites for custom I/O (Mil-STD-1553, Wi-Fi/BT, GPS, etc.)
 - Ultra-low SWaP only 5.4" x 6.5" x 4.0", @ 5 lbs. and as low as 40W total
 - Compliant to MIL-STD 810G, MIL-STD 1275D, MIL-S-901D, DO-160D, MIL-STD 461E and IP66
 - Operates at standard temp -20°C to +75°C or extended temp -40°C to +85°C (Optional)
 - Available in ruggedization levels R3-R5



- “HAWK” SB1002-FPGA**
Rugged, Small, FPGA System with Removable Drive(s)
- Supports Xilinx® or Altera® FPGA devices for custom computing functions
 - Up to 20 pairs of differential signaling to high-speed Mil connector
 - Specialized or custom solutions firmware, such as FPPD and DSP
 - Up to two removable fully sealed drives (nDrive™) up to 1TB each
 - Up to 1TB of fixed SSD for OS boot
 - Two USB 3.0 and six USB 2.0 ports with power
 - Seven Gigabit Ethernet ports with TCP/IP Offloading Engine (TOE)
 - Dual DVI/HDMI ports and one RGB video port or dual redundant SDI (SMTPE-292)
 - Two Serial ports with RS-232/422/485 options and eight GPIO lines
 - Two SAM™ sites for custom I/O (Mil-STD-1553, Wi-Fi/BT, GPS, etc.)
 - Ultra-low SWaP only 5.4" x 6.5" x 2.75", @ 4.25 lbs. and as low as 40W total
 - Compliant to MIL-STD 810G, MIL-STD 1275D, MIL-S-901D, DO-160D, MIL-STD 461E and IP66
 - Operates at standard temp -20°C to +75°C or extended temp -40°C to +85°C (Optional)
 - Available in ruggedization levels R3-R5



- “CROW” SB1002-LC**
Rugged, Low-Cost, Small, Lightweight, High-Performance System
- Rugged system optimized for the lowest cost and weight in a fully sealed system
 - Up to 1TB of fixed SSD and/or one optional removable 2.5" SSD up to 2TB
 - Three Gigabit Ethernet ports with TCP/IP Offloading Engine (TOE)
 - Six USB 2.0 ports with power
 - Dual DVI/HDMI ports and one RGB video port
 - Two Serial ports with RS-232/422/485 options
 - Eight buffered General Purpose I/O lines
 - Support for dual redundant SDI (SMTPE-259/292/424/425) video outputs (Optional)
 - Two SAM™ sites for custom I/O (Mil-STD-1553, Wi-Fi/BT, GPS, etc.)
 - Power Conditioning Module (PCM) for "dirty power" regulation from 16-36VDC (Optional)
 - Ultra-low SWaP only 5.4" x 6.5" x 2.75", @ 4.0 lbs. and as low as 40W total
 - Compliant to MIL-STD 810G, MIL-STD 1275D, MIL-S-901D, DO-160D, MIL-STD 461E and IP66
 - Operates at standard temp 0°C to +55°C or extended temp -40°C to +85°C (Optional)
 - Available in ruggedization levels R1-R4



- “HUMMINGBIRD” SB1002-LP**
Rugged, Small, Low Profile, High-Speed I/O System with Removable Drive
- Low Profile, High-Speed I/O system with DZUS™ rail mounts
 - High-Speed I/O interconnect with four USB 3.0 ports and one Display Port (Optional)
 - Up to 1TB of fixed SSD for OS boot and one removable 2.5" SSD drive up to 2TB
 - Six USB 2.0 ports with power
 - Three Gigabit Ethernet ports with TCP/IP Offloading Engine (TOE)
 - Dual DVI/HDMI ports and one RGB video port or dual redundant SDI (SMTPE-292)
 - Two Serial ports with RS-232/422/485 options and eight GPIO lines
 - Two SAM™ sites for custom I/O (Mil-STD-1553, Wi-Fi/BT, GPS, etc.)
 - Ultra-low SWaP only 5.4" x 6.0" x 2.0", @ 5 lbs. and as low as 40W total
 - Compliant to MIL-STD 810G, MIL-STD 1275D, MIL-S-901D, DO-160D, MIL-STD 461E and IP66
 - Operates at standard temp -20°C to +75°C or extended temp -40°C to +85°C (Optional)
 - Available in ruggedization levels R3-R5



- “EAGLE” SB1002-HDVR**
Rugged, 4-Channel HD-DVR Recorder with Removable Drive(s)
- Records up to four HD video ports simultaneously at 1080p/30 Hz with audio
 - Simultaneous Record and Monitor/Playback over LAN
 - Supports H.264 compression on both channels
 - Up to 8TB of removable SSDs as four individual drives or as single canister (Optional)
 - Up to 1TB of fixed SSD for OS boot
 - Two USB 3.0 and six USB 2.0 ports with power
 - Seven Gigabit Ethernet ports with TCP/IP Offloading Engine (TOE)
 - Dual DVI/HDMI ports and one RGB video port or dual redundant SDI (SMTPE-292)
 - Two Serial ports with RS-232/422/485 options and eight GPIO lines
 - Two SAM™ sites for custom I/O (Mil-STD-1553, Wi-Fi/BT, GPS, etc.)
 - Ultra-low SWaP only 5.4" x 6.5" x 2.75" @ 5 lbs. and as low as 40W total
 - Compliant to MIL-STD 810G, MIL-STD 1275D, MIL-S-901D, DO-160D, MIL-STD 461E and IP66
 - Operates at standard temp -20°C to +75°C or extended temp -40°C to +85°C (Optional)
 - Available in ruggedization levels R3-R5



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