

Latest Generation HATTELAND®

COMPUTERS

Maritime computer solutions you can rely on

Intel® Core™ i3/i5/i7 Processor, Powerful on-board graphics, up-to 32GB RAM, SSD or HDD Storage, Multiple Display Out (DP, DVI-I / DVI-D), Multiple Ethernet/GBLan's, Front Removable Storage Bays and more functionality added through neat expansion modules

Building on the success of the latest computer technologies the past 10 years, our latest generation of HATTELAND® computers has more power, more performance and more versatility, providing system integrators with a wider choice of configurations and features to suit any maritime system requirement, be it for navigation or automation systems.



SPECIFICATIONS

HT B30 - FANLESS



Long / Short Depth Models available

HT 221 - 2U RACK MOUNT



HT C02 - COMPACT



	CPU Specifications & Options	Storage Bays & Device options: SSD, HDD, DVD	Memory Specifications & Options	System + Graphics Chipset	Connectors, Slots & other I/O ports	Power Inputs & Consumption	Dimensions (WxHxD) mm [inch] & Compass Safe Distance cm [inch]
FANLESS HT B30Gx (Long)	1 x Intel® Core™ i5-6300U, 2.4/3.0GHz 2/4 @15W, 403 GFLOPS or 1 x Intel® Core™ i7-6600U, 2.6/3.4GHz 2/4 @15W, 403 GFLOPS or 1 x Intel® Celeron™ 3955U, 2.0GHz 2/2 @15W, 173 GFLOPS	2 x 2.5" Front removable + 1 x Internal Storage (m.2) Options SSD Sata: 2/4 @15W, 403 GFLOPS or 2 x (MLC) 240 to 960GB or 1 x Type m.2 (240 to 960GB)	Max 32GB (2x4, 2x8 or 2x16GB) Dual Channel DDR4-2133	Intel® SoC (6th generation Core™ U-Series) + Intel® HD Graphics 520 (510 for 3955U CPU)	1 x DVI-I + 1 x DVI-D + 1 x DisplayPort (DP1.2) 4 x GBLAN (RJ45) 4 x USB2.0 Type A 4 x USB3.0 Type A 1 x SDXC (SDcard) Slot	100-240V AC (50/60Hz) + 24VDC 39W / 50W (typ/max)	220.00 [8.66"] x 89.00 [3.50"] x 300.00 [11.81"] Standard: 30.00 [1.181"] Steering: 25.00 [0.984"]
FANLESS HT B30Kx (Short)	1 x Intel® Core™ i5-6300U, 2.4/3.0GHz 2/4 @15W, 403 GFLOPS or 1 x Intel® Core™ i7-6600U, 2.6/3.4GHz 2/4 @15W, 403 GFLOPS or 1 x Intel® Celeron™ 3955U, 2.0GHz 2/2 @15W, 173 GFLOPS	1 x Internal Storage (m.2) Options SSD Sata: 1 x Type m.2 (240 to 960GB)	Max 32GB (2x4, 2x8 or 2x16GB) Dual Channel DDR4-2133	Intel® SoC (6th generation Core™ U-Series) + Intel® HD Graphics 520 (510 for 3955U CPU)	1 x DVI-I + 1 x DVI-D + 1 x DisplayPort (DP1.2) 4 x GBLAN (RJ45) 4 x USB2.0 Type A 4 x USB3.0 Type A 1 x SDXC (SDcard) Slot	2 x 24VDC Isolated 43W / 50W (typ/max)	220.00 [8.66"] x 89.00 [3.50"] x 192.00 [7.56"] Stand- ard: 30.00 [1.181"] Steering: 25.00 [0.984"]
2U RACK HT 221	Intel® Core™ (Quad) i5-4570S 2.9GHz, 6MB Cache or Intel® Core™ (Quad) i7-4770S 3.1GHz, 8MB Cache or Intel® Core™ (Dual) i3-4330 3.5GHz, 4MB Cache All CPU's has 1600MHz FSB	4 x 2.5" Front removable 1 x DVD Recorder/Player Internal/External Options: SSD SATA Storage (MLC) 240 to 960GB or 4 x 2.5" HDD SATA 1TB or	Max 16GB (2x2, 2x4 or 2x8GB) Dual Channel DDR3 1600MHz	Intel® Q87 + Intel® HD Graphics 4600	1 x DVI-I + 1 x DVI-D 1 x DisplayPort (DP) 1 x GBLAN (RJ45) 6 x USB A (1.1/2.0/3.0) 1 x RS-232 (DB9F) 1 x RS-422/RS-485 (DB9F) 1 x PCI + 3 x PCIe (x16, x4, x1) Half/Low Profile/Half Length	100-240V AC (50/60Hz) 70W / 330W (typ/max)	430.00 [16.93"] x 80.00 [3.15"] x 460.80 [18.14"] Standard: 200.00 [7.874"] Steering: 130.00 [5.118"]
COMPACT HT C02Hx Standard	Intel® Core™ (Quad) i5-4570S 2.9GHz FSB: 1600MHz, 6MB Cache or Intel® Core™ (Quad) i7-4770S 3.1GHz FSB: 1600MHz, 8MB Cache or	4 x 2.5" Front removable 1 x DVD Recorder/Player Options: SSD SATA Storage (Multi Level) 240 to 960GB or 4 x 2.5" HDD SATA 1TB	Max 16GB (2 x 2, 4, 8 or 16GB) Dual Channel DDR3 1600MHz	Intel® Q87 + Intel® HD Graphics 4600	1 x DVI-I + 1 x DVI-D 1 x DisplayPort (DP) 4 x GBLAN (RJ45) 6 x USB A (1.1/2.0/3.0) 1 x RS-232 (DB9F) 1 x RS-422/RS-485 (DB9F) 1 x PCI + 3 x PCIe (x16, x4, x1) Full Height & Length	100-240V AC (50/60Hz) or 24VDC 70W / (330W/220W)	345.00 [13.58"] x 133.00 [5.24"] x 390.00 [15.35"] With 4U Rack Option: 482.00 [18.98"] x 176.00 [6.93"] x 501.00 [19.72"] Standard: 140.00 [5.512"] Steering: 90.00 [35.43"]
COMPACT HT C02HI Entry Level	Intel® Core™ (Dual) i3-4330 3.5GHz FSB: 1600MHz, 4MB Cache	Internal Options: SSD SATA Storage (Multi Level) 240 to 960GB or 4 x 2.5" HDD SATA 1TB	Max 16GB (2 x 2, 4, 8 or 16GB) Dual Channel DDR3 1600MHz	Intel® Q87 + Intel® HD Graphics 4600	1 x DVI-I + 1 x DVI-D 1 x DisplayPort (DP) 4 x GBLAN (RJ45) 6 x USB A (1.1/2.0/3.0) 1 x RS-232 (DB9F) 1 x RS-422/RS-485 (DB9F) 1 x PCI + 3 x PCIe (x16, x4, x1) Full Height & Length	100-240V AC (50/60Hz) or 24VDC 70W / (330W/220W)	345.00 [13.58"] x 133.00 [5.24"] x 390.00 [15.35"] With 4U Rack Option: 482.00 [18.98"] x 176.00 [6.93"] x 501.00 [19.72"] Standard: 140.00 [5.512"] Steering: 90.00 [35.43"]



4U Rack Mount available separately

Computers can be delivered without or with Operating System **Microsoft® Embedded Enterprise (WEE)** or **Linux** or with pre-installed customer image: Microsoft® Windows® 7 Professional SP1 32/64bit, Microsoft® Windows® 7 Ultimate SP1 32/64bit, Microsoft®, Microsoft® Windows® Server 2008R2 64bit, Microsoft® Windows® Server 2012 64bit, Microsoft® Windows® Server 2012R2 64bit, Windows® 10 IoT Enterprise 2019 LTSC (64bit). **Linux** For Apollo Lake chipset (kernel 4.10+) / Skylake Chipset (kernel 4.4+) or customized image build, 32/64bit where applicable. Factory default is no OS installed. We also offer a very wide range of hardware options such as; CAN / COM / NMEA COM / DIO / LAN / RAID / Amplified Audio / LPT / CFast / FiberLAN / High-End Graphics Card, Rackmount slides/brackets, 2U/3U/4U mounting options including the latest factory installed External USB Connectivity IO modules - all hardware is optimized for use in professional maritime environments!