



Latest Generation HATTELAND®

SERVERS

Rackmount computer solutions you can rely on

Intel® Core™ i3/i5/i7/i9 and Xeon® Gold/Silver Processors, Extreme "HorsePower" Performance, up-to 128GB RAM, SSD, m.2 or SAS Storage options, including Smart Card Reader and DVD-RW/CD-RW, Multiple Ethernet/GBLan's, Front Removable Storage Bays and more functionality added through neat expansion module or PCIe options.

NEW

With over 30 years of experience designing and manufacturing electronics for the demanding maritime industry, Hatteland Technology is pleased to introduce its latest line of rackmount server computers - the HTS31470 and HTS41x11.

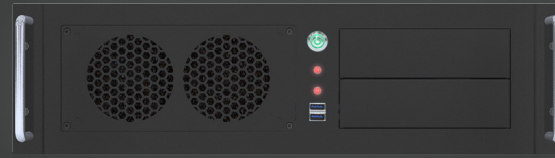
These solutions deliver unrivaled performance and versatility for any onboard navigation or automation system. Designed and tested to meet the stringent requirements of the Professional Maritime market, Hatteland servers afford you more choices and options to meet the requirement and safely scale up when required.



SPECIFICATIONS

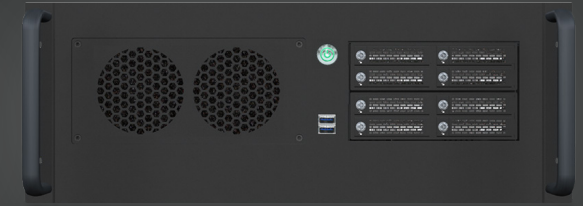
NEW

HTS31470 - 3U SERVER



NEW

HTS41x11 - 4U SERVER



	CPU Specifications & Options	Storage Bays & Device options: SSD, DVD, Media	Memory Specifications & Options	System + Onboard Graphics Chipset	Connectors, Slots & other I/O ports	Power Inputs & Consumption	Dimensions (WxHxD) mm [inch] & Compass Safe Distance cm [inch]
3U SERVER HTS31470	1 x Intel® Core™ i3-10100E, 4-Core 3.20GHz - 3.80GHz, 6MB Cache or 1 x Intel® Core™ i5-10500E, 6-Core 3.10GHz - 4.20GHz, 12MB Cache or 1 x Intel® Core™ i7-10700E, 8-Core 2.90GHz - 4.50GHz, 16MB Cache or 1 x Intel® Core™ i9-10900E, 10-Core 2.80GHz - 4.70GHz, 20MB Cache	2 x 5 1/4" Front Bays options: 4 x or 8 x 2.5" Front removable with SATA SSD 2.5" / M.2 devices or in combination with 1 x DVD-RW/CD-RW or 1 x Smart Card Reader Options Storage Device Sizes: (240GB to 1.92TB)	Max 128GB DDR4 DIMM 260-pin 4-slots available Options: 2 x 16GB or 4 x 16GB or 4 x 32GB	Intel® Q470E + Intel® UHD Graphics 630	1 x DisplayPort (DP1.2) 1 x VGA 1 x HDMI2.0a 2 x GBLAN (RJ45) 2 x USB3.2 (Gen1) Type A (Front) 4 x USB3.2 (Gen2) Type A (Rear) 2 x USB2.0 Type A (Rear) 1 x PS/2 (Combined Mouse+Key) 3 x 3.5mm MiniJack 2 x DB9M (RS-232/422/485)	115-230V AC (50/60Hz) 135.4W / 875W (typ/max)	465.70 [18.31"] x 132.50 [5.22"] x 436.00 [17.17"] Standard: 285.00 [112.2"] Steering: 180.00 [70.8"]
4U SERVER HTS41x11	1 x Intel® Xeon® Gold 6230 Processor, 20-Core 2.10GHz - 3.90GHz, 27.5MB Cache or 1 x Intel® Xeon® Silver 4216 Processor, 16-Core 2.10GHz - 3.20GHz, 22MB Cache or 1 x Intel® Xeon® Silver 4210 Processor, 10-Core 2.80GHz - 4.70GHz, 20MB Cache or 1 x Intel® Xeon® Silver 4215R Processor, 8-Core 3.20GHz - 4.00GHz, 11MB Cache	2 x 5 1/4" Front Bays options: 4 x 2.5" Front removable with SSD SATA3/SAS 2.5" devices, Intel® SSD 24/7 Datacenter series 4 x or 8 2.5" Front removable with SSD SATA3 MLC 2.5" devices, Intel® SSD 24/7 Datacenter series or in combination with 1 x DVD-RW/CD-RW or 1 x Smart Card Reader	Max 128GB DDR4 RDIMM ECC, 240-pin 8-slots available Options: 8GB / 16GB, Max Marine 128GB, larger on request	Intel® C622 + Aspeed AST2500	1 x VGA 2 x GBLAN (RJ45) 2 x USB3.0 Type A (Front) 2 x USB3.0 Type A (Rear) 2 x USB2.0 Type A (Rear) 1 x DB9M (RS-232)	100-240V AC (50/60Hz) 875W (typ/max)	426.70 [16.77"] x 177.00 [6.97"] x 437.00 [17.20"] Standard: 300.00 [118.11"] Steering: 180.00 [70.8"]

HTS41x11 - 4U SERVER



HTS31470 - 3U SERVER



Computers can be delivered without or with Operating System (hardware dependent, check datasheets) Microsoft® Windows or Linux or with pre-installed customer image: Windows® 10 IoT 2019 LTSC, Microsoft® Windows® Server 2016, Microsoft® Windows® Server 2019. Linux: Kernel 4.8 or later version) or customized image build, 64bit where applicable. Factory default is no OS installed. We also offer a very wide range of hardware options such as; High-End Graphics Card, CAN / COM / NMEA COM / DIO / LAN / RAID / Amplified Audio / LPT / CFast / FiberLAN / Rackmount slides/brackets, 3U/4U mounting options, Additional Media Devices and Audio including the latest factory installed External USB Connectivity IO modules - all hardware is optimized for use in professional maritime environments !