



Note: All Catapult workstations and servers purchased from Catapult for Catapult software use will contain a Windows operating system license and custom operating system and component configuration settings to obtain maximum performance. All prices and system specifications are subject to change.

Catapult Sports Hardware List

Items Added

- Bolt Remote now available for purchase

Items Removed

- AVMATRIX H.264/H.265 HDMI Streaming Encoder - Temporary removal until HDMI model is fully supported



Catapult Workstations

Dell Precision 7670 1TB SSD Laptop - [Item # V1842]

- Intel Core i9-12950HX, 30MB Cache, 24 Threads, 16 Core, 2.3GHz to 5.0GHz vPro
- Windows 10 Pro (Includes Windows 11 Pro License) English, French, Spanish
- No Microsoft Office License Included - 30 day Trial Offer Only
- NVIDIA RTX A2000 8GB GDDR6
- 16-inch, WLED FHD+ 1920 x 1200, 60 Hz, Anti-Glare, Non-Touch, 99% DCIP3, 500 nits, IR Cam/Mic WLAN FHD/IR Camera, Express Sign-In, Intelligent privacy, Camera Shutter, Mic
- 16GB, 1x16GB NECC 4800MHz DDR5 CAMM Module
- M.2 2280 1 TB, Gen 4 PCIe x4 NVMe, Solid State Drive
- No Additional Hard Drive, No RAID
- Single Pointing Non-Backlit English US Keyboard with numeric keypad
- No Security Palmrest
- Thin no SmartCard and no SSD Door
- Intel Wifi 6E (6GHz) AX211 2x2 with Bluetooth Wireless
- 6-Cell 83Whr Lithium Ion Battery
- 180W SFF Power Adapter, Not ENERGY STAR Qualified, E5 Power cord 1M US
- Dell Client System Update (Updates latest Dell Recommended BIOS, Drivers, Firmware and Apps)
- Waves Maxx Audio 658-BBRB - 1 - Dell Power Manager
- Dell SupportAssist OS Recovery Tool
- Channel Basic Onsite Service 39 Months
- Channel ProSupport and Next Business Day Onsite Service Initial, 39 Month(s)
- Client Program Management Support

Additional Items Included

- (1) USB Mouse (Black)
- (1) Mousepad

Optional Upgrades

- 2TB SSD Model (Contains (1) 2TB SSD) - [Item # V1843]
- 4TB SSD Model (Contains (2) 2TB SSD) - [Item # V1844]
- USB-C Thunderbolt Dock - Dell Dock 7000 Series WD19DCS - Includes 180 Watt PS - [Item # V5944]



Dell Precision 3460 500GB SSD SFF Desktop - [Item # V1839]

- Intel Core i9-12900 processor (30MB Cache, 16 Core (8P+8E), 2.4GHz to 5.1GHz, 65W, OEM XE LONG LIFE)
- HEATSINK for 65W CPU
- Windows 10 Pro (Includes Windows 11 Pro License) English, French, Spanish
- No Microsoft Office License Included - 30 day Trial Offer
- Precision 3460 SFF with 300W up to 92% efficient (80 Plus Platinum) PSU
- 32GB (2x16GB) DDR5 4800MHZ, SO-DIMM, Non-ECC
- NVIDIA T1000, 4GB GDDR6, low profile, 4 mDP to DP adapters
- 512GB PCIe NVMe(TM) Gen4 M.2 SSD
- Thermal Pad for 3460 SFF SSD
- Network Adapter (NIC) i225 HH Small Form Factor 555-BHLC -1 - Internal Wi-Fi Antenna
- Intel Wi-Fi 6E (6GHz) AX211 2x2 Bluetooth 5.2 Wireless Card
- No Optical Drive
- Intel Management Engine disabled
- Dell KB216 Wired Keyboard English
- Dell Optical Mouse - MS116 (Black)
- ENERGY STAR Qualified, EPEAT 2018 Registered (Gold)
- Dell Precision TPM
- WLAN Intel AX211 wireless card drive
- US Power Cord
- MOD, LBL, REG, FSJ,300,3460XE,OEM, Intel Core i9 non-vPro Processor Label
- Internal Speaker
- Dell Branded Bezel/System
- Integrated Intel SATA Controller
- No Media Card Reader
- Basic Onsite Service 15 Months
- ProSupport and Next Business Day Onsite Service Extension, 24 Month(s)
- ProSupport and Next Business Day Onsite Service Initial, 15 Month(s)
- Client Program Management Support

Additional Items Included

- (1) USB Mouse (Black)
- (1) Mousepad



Dell Latitude 5430 1TB SSD Laptop - [Item # V1840]

- Intel vPro Enterprise with Intel Core i7-12650 (10 Core) 1.80 GHz to 4.80 GHz
- Windows 10 Pro (Includes Windows 11 Pro License) English, French, Spanish
- No Microsoft Office License Included - 30 day Trial Offer Only
- i7-12650 vPro, Intel Iris Xe Graphics Thunderbolt
- 16GB, 1x16GB DDR4 Non-ECC
- M.2 2TB PCIe NVMe Class 35 Solid State Drive
- 14.0" FHD (1920x1080) Anti Glare, Touch, W A, 300 nits, FHD IR Camera+Intelligent Privacy, WLAN Single Pointing Backlit US English Keyboard Wireless Intel AX211 WLAN Driver Alder Lake
- Intel AX211 WiFi 6e 2x2 AC+ BT 5.2 vPro 58WHR,
- 4 Cell Battery Express Charge Capable E5 90W Adapter,
- USB Type-C Palmrest, No Fingerprint, No SmartCard,
- Thunderbolt 4 E5 Power Cord 1M US, ENERGY STAR Qualified Dell(TM) Digital Delivery Cirrus Client,
- Dell Client System Update (Updates latest Dell Recommended BIOS, Drivers, Firmware and Apps)
- Waves Maxx Audio Dell SupportAssist OS Recovery Tool Mix Model
- 90W Adapter FHDR Camera with Express Sign-In + Intelligent Privacy, Temporal Noise Reduction, Camera Shutter, Mic Mail In Service 12 Months
- ProSupport and Next Business Day Onsite Service Extension, 36 Month(s) Client Program Management Support

Additional Items Included

- (1) USB Mouse (Black)
- (1) Mousepad

Optional Upgrades

- 2TB SSD Model (Contains (2) 1TB SSD) - **[Item # V1841]**
- Dell Dock- WD22TB4 5000/Tablet Series - **[Item # V5924]**



Dell Precision 7560 1TB Openfield Spec NAM Only SSD Laptop - [Item # V1846]

- Approximate weight 6.0 lbs
- 11th Gen Intel Core Processor i9-11950H (8 Core, 24MB Cache, 2.60GHz to 5.00GHz, 45W, vPro)
- 32GB (2 x 16GB) DDR4, 3200MHz, Non-ECC, SODIMM Memory
- (1) 1TB, Gen 3 PCIe x4 NVMe, SSD Class-40 drive
- NVIDIA RTX A2000 w/4GB GDDR6
- Intel UHD Graphics
- 15.6" FHD, 1920x1080, 60Hz, Anti-Glare, Non-Touch, 100% DCIP 3, 500 Nits
- Intel gigabit Network connection
- Intel Wi-Fi 6E AX210, (6GHz), 2x2 with BT5.2 Wireless
- 6-cell 95WH Lithium Ion battery with ExpressCharge™
- (1) 180W Power Supply
- Integrated webcam
- (1) Mini DisplayPort, (1) HDMI Port, (2) USB Ports; (2) USB Type-C Thunderbolt Ports
- Biometric fingerprint reader
- OS - Win-10 Professional (64-bit) (English)

Optional Upgrades

- USB-C Thunderbolt Dock - Dell Dock 7000 Series WD19DCS - Includes 180 Watt PS - [Item # V5944]



Laptop Only NHL Thunder Micro Server 7560 4TB SSD - [Item # V2835]

- Approximate weight 6.0 lbs
- 11th Gen Intel Core Processor i9-11950H (8 Core, 24MB Cache, 2.60GHz to 5.00GHz, 45W, vPro)
- 128 GB (4 x 32GB) DDR4, 3200MHz, Non-ECC, SODIMM Memory
- (1) 1TB, Gen 3 PCIe x4 NVMe, SSD Class-40 drive
- NVIDIA RTX A2000 w/4GB GDDR6
- Intel UHD Graphics
- 15.6" FHD, 1920x1080, 60Hz, Anti-Glare, Non-Touch, 100% DCIP 3, 500 Nits
- Intel gigabit Network connection
- Intel Wi-Fi 6E AX210, (6GHz), 2x2 with BT5.2 Wireless
- 6-cell 95WH Lithium Ion battery with ExpressCharge™
- (1) 180W Power Supply
- Integrated webcam
- (1) Mini DisplayPort, (1) HDMI Port, (2) USB Ports; (2) USB Type-C Thunderbolt Ports
- Biometric fingerprint reader
- OS - Win-10 Professional (64-bit) (English)

Additional Items Included

- (1) USB Mouse (Black)
- (1) Mousepad

Optional Upgrades

- USB-C Thunderbolt Dock - Dell Dock 7000 Series WD19DCS - Includes 180 Watt PS - **[Item # V5944]**



Dell Latitude 7320 Detachable Tablet - [Item # 7320]

- Approximate weight 3.0 lbs
- 11th Generation Intel(R) Core(TM) i7-1180G7 (4 Core, 12M cache, base 2.2GHz, up to 4.6GHz, vPro capable)
- (1) 16GB, LPDDR4X SDRAM, 4267MHz Memory
- (1) 1TB M.2 PCIe NVMe Class 35 SSD
- Intel Iris Graphics
- 13" 3:2 FHD+ (1920 x 1280) Touch, 500 nits Super Low Power, Low Blue Light, Gorilla Glass 6 DX, Mic
- Intel Wi-Fi 6 AX201 2x2 802.11 ax 160MHz + Bluetooth 5.2
- 40WHR, 2Cell, BYD Battery
- (1) 65W Type-C Power Supply
- Integrated webcam
- Biometric fingerprint reader
- (2) USB Type-C Ports
- OS - Win-10 Professional (64-bit) (English)

Additional Items Included

- (1) Detachable Keyboard
- (1) Stylus Pen

Optional Upgrades

- Dell Dock- WD22TB4 5000/Tablet Series - **[Item # V5924]**



Catapult Servers

MS88-8 Combo Server - SQL 2019 128GB - [Item # V7202]

- Storage: **66 TB** formatted
- 2U Chassis - Chassis dimensions: (L x W x H) 26 in x 17 in x 3.5 in
- Dual Redundant 800 watt supplies
 - Voltage: 110-240 vac 50/60 Hz, Typical Amps: 2, BTU/hr: ~785
- Rail Size Min: ~28 in vs Max: 36 in (estimate) King Slide 3a61-730
- Dual Quad Core Intel Silver 4110 2.1 GHz / 3.0 GHz Turbo Processors
- 128GB RAM – (8 x 16GB)
- Intel Dual Port 10 Gigabit NICs – Copper – Requires CAT-6A or CAT-7 Cables for 10Gb
- Remote Management Console
- (2) 512GB SSD system drives (RAID-1)
- (8) 12 TB SATA Drives (RAID-6)
- (1) Avago (LSI) 9361 RAID Controller
- (1) 800GB Intel P-3600 PCIe SSD - for Thunder SQL DB
- OS - Windows Server 2016 Standard (64-bit) Server license (English)

Additional Items included

- King Slide 3a61-730 rails
- Cables - (1) 15 FT CAT6A - 10Gb Ethernet, RJ-45 Orange



MS188 Combo Server - SQL 2019 128GB - [Item # V7203]

- Storage: **154 TB** formatted
- 3U Chassis - Chassis dimensions: (L x W x H) 26 in x 17 in x 5.25 in
- Dual Redundant 800W supplies
 - Voltage: 110-240 vac 50/60 Hz, Typical Amps: 3.35, BTU/hr: ~1300
- Rail Size Min: ~28 in vs Max: 36 in (estimate) King Slide 3a61-730
- Dual Quad Core Intel Silver 4110 2.1 GHz /3.0 GHz Turbo Processors
- 128GB RAM – (8 x 16GB)
- Intel Dual Port 10 Gigabit NICs – Copper – Requires CAT-6A or CAT-7 Cables for 10Gb
- Remote Management Console
- (2) 512GB SSD system drives (RAID-1) Slots on the back of the Chassis (see picture below)
- (16) 12 TB SATA Drives (RAID-6)
- (1) LSI 9361-16i with 2GB cache
- (1) 800GB Intel P-3600 PCIe SSD - for Thunder SQL DB
- OS - Windows Server 2016 Standard (64-bit) Server license (English)

Additional Items included

- King Slide 3a61-730 rails
- Cables - (1) 15 FT CAT6A - 10Gb Ethernet, RJ-45 Orange



Dell FCS R350 Combo Server - [Item # V7207]

- No Trusted Platform Module
- 3.5" Chassis with up to 4 Hot Plug Hard Drives, Front PERC
- Intel Xeon E-2314 2.8GHz, 8M Cache, 4C/4T, Turbo (65W), 3200 MT/s
- Heatsink for 80W or less CPU
- Performance Optimized
- 3200MT/s UDIMM
- RAID 1
- PERC H755 SAS Front
- Front PERC Mechanical Parts, front load
- Performance BIOS Settings
- UEFI BIOS Boot Mode with GPT Partition
- Single, Hot-Plug, Power Supply (1+0), 600W
- Riser Config 0, 1 x8, 1 x16 slots
- Standard Fan
- OEM R350 Motherboard
- iDRAC9, Enterprise 15G
- On-Board LOM
- Brand/LCD Bezel, OEM PowerEdge R350
- BOSS-S2 controller card + with 2 M.2 480GB (RAID 1)
- BOSS Cables and Bracket for R350
- iDRAC, Factory Generated Password
- iDRAC Group Manager, Disabled
- MOD, SW, WS2019SE, 16C, FI, EMB, DAO
- ReadyRails Sliding Rails Without Cable Management Arm
- No Internal Optical Drive
- OEM R350 Shipping Material for 3.5" Chassis
- PowerEdge R350 CCC Marking, No CE Marking
- ProSupport and Next Business Day Onsite Service Initial, 15 Month(s)
- ProSupport and Next Business Day Onsite Service Extension, 24 Month(s)
- Basic Next Business Day 15 Months
- 32GB UDIMM, 3200MT/s, ECC
- (2) 4TB Hard Drive SATA 6Gbps 7.2K 512n 3.5in Hot-Plug
- Power Cord - C13, 3M, 125V, 15A (North America, Guam, North Marianas, Philippines, Samoa, Vietnam)
- Broadcom 57416 Dual Port 10GbE BASE-T Adapter, PCIe Low Profile
- Enterprise Program Management Support



Dell 3930 Multipurpose Server - [Item #V7208]

- 3930 Rack Refresh Chassis
- Intel Xeon E-2124G,(4 Core, 8MB Cache, 3.4GHz, 4.5Ghz Turbo)
- Intel Integrated Graphics
- 32GB, 4x8GB, DDR4 UDIMM non-ECC memory
- 2.5"512GB SATA Class 20 Solid State Drive
- Riser 1A: PCIe Riser (1xx16 or 2x x8)
- Intel I210 1Gb Ethernet Adapter (1x1GbE)
- Windows 10 Pro for Workstations (up to 4 Cores) Multi - English
- US Power Cord
- Bezel
- Ready Rails Static Rails Without Cable Management Arm
- Standard Temperature Range (10-35 degree C)
- Dell Precision TPM Dell(TM)
- Digital Delivery Cirrus Client
- Dell Client System Update (Updates latest Dell Recommended BIOS, Drivers, Firmware and Apps Dell Developed Recovery Environment
- ProSupport: Next Business Day Onsite, 39 Months
- ProSupport: 7x24 Technical Support, 39 Months
- Enterprise Program Management Support
- 3930 Rack Regulatory Label (DAO)



Dell PowerEdge R750 Server - [Item #TBD] - Anticipated Release January 2023

- No Trusted Platform Module
- 3.5" Chassis with up to 12 HDDs (SAS/SATA), 4x2.5" Rear HDDs (NVMe), Adapter PERC
- Intel Xeon Silver 4309Y 2.8G, 8C/16T, 10.4GT/s, 12M Cache, Turbo, HT (1056) DDR4-2666, Qty2
- Heatsink for 2 CPU configuration (CPU less than 165W)
- 16GB RDIMM, 3200MT/s, Dual Rank Qty 8
- 20TB HDD SATA ISE 6Gbps 7.2K 512e 3.5in Hot-Plug, Qty 8
- 3.84TB, Enterprise, NVMe, Read Intensive, U2, G4, P5500 Flex Bay
- Unconfigured RAID 6
- PERC H755 Adapter, Low Profile
- Performance BIOS Settings, UEFI BIOS Boot Mode with GPT Partition
- Dual, Hot-Plug, Power Supply Redundant (1+1), 1400W, Mixed Mode
- Riser Config 5, 2x8, 2x16 slots
- OEM PowerEdge R750 Motherboard with Broadcom 5720 Dual Port 1Gb On-Board LOM
- iDRAC9, Enterprise 15G
- NO OCP 3.0 mezzanine NIC card
- Brand/Bezel, OEM PowerEdge R750
- BOSS-S2 controller card + with 2 M.2 480GB (RAID 1), BOSS Cables and Bracket for R750 (4x2.5" Rear)
- iDRAC,Factory Generated Password, iDRAC Group Manager, Disabled
- Ready Rails Sliding Rails, Cable Management Arm, 2U
- Intel X710-T2L Dual Port 10GbE BASE-T Adapter, PCIe Full Height
- OEM PowerEdge R750 No CCC or CE Marking , OEM Dell EMC label (BIS) for 3.5" Chassis
- Basic Next Business Day 39 Months
- ProSupport and Next Business Day Onsite Service Initial, 39 Month(s)
- Power Cord - C13, 3M, 125V, 15A (North America, Guam, North Marianas, Philippines, Samoa, Vietnam) Qty 2
- Enterprise Program Management Support

Optional Upgrades

TBD



Multi Sport Bundled Microserver 16TB - SQL 32GB - [Item # 4477]

- Supports 10 Clients
- Storage: **8TB** formatted
 - (1) 16TB USB-3 RAID-1 Subsystem (2) 8TB SATA drives - **Included**
 - Additional drives **[Item #V8225]**
- Approximate weight 6.0 lbs
- 11th Gen Intel Core Processor i9-11950H (8 Core, 24MB Cache, 2.60GHz to 5.00GHz, 45W, vPro)
- 32 GB (2 x 16GB) DDR4, 3200MH z, Non-ECC, SODIMM Memory
- (1) 1TB, Gen 3 PCIe x4 NVMe, SSD Class-40 drive
- NVIDIA RTX A2000 w/4GB GDDR6
- Intel UHD Graphics
- 15.6" FHD, 1920x1080, 60Hz, Anti-Glare, Non-Touch, 100% DCIP 3, 500 Nits
- Intel gigabit Network connection
- Intel Wi-Fi 6E AX210, (6GHz), 2x2 with BT5.2 Wireless
- 6-cell 95WH Lithium Ion battery with ExpressCharge™
- (1) 180W Power Supply
- Integrated webcam
- (1) Mini DisplayPort, (1) HDMI Port, (2) USB Ports; (2) USB Type-C Thunderbolt Ports
- Biometric fingerprint reader
- OS - Win-10 Professional (64-bit) (English)

Additional Items included

- SonicWall TZ270 Router **[Item # V7760]**
- Cables - (1) 25 FT Cat6 Ethernet Cable Grey
- PowerSquid Surge Protector
- (1) USB Mouse (Black)
- (1) Mousepad



Catapult Remotes

Westwater Green Laser Remote - [Item # 8520]

- Wired USB connection
- Can be used with Thunder & Thundercloud WUA applications
- Warranty covered under your annual Maintenance and Support contract

Bolt Bluetooth Remote - [Item # 8500a]

- Wireless Bluetooth connection
- Can be used with Vision, Thunder, Thundercloud WUA & Thundercloud iOS applications
- Warranty NOT covered under your annual Maintenance and Support contract
- Can purchase on Amazon



Catapult Capture Items

Thunder U/D/C Converter with frame buffer - [Item # 6644]

- The AJA Up Down Cross Converter (UDC), as configured by Catapult, will convert an HD-SDI or SD-SDI signal to HD 720p for compatibility with Thunder Capture HD devices (BM H.264 or ATEM)
- Device includes a frame buffer so in the event of a Video Feed disruption it will continue to send the last frame received until the feed is restored. Allowing Capture to continue uninterrupted
- This device offers 1 SDI output, and an HDMI output, making it easy for a customer to connect the SDI output to the Black Magic H.264 Pro Encoder, while also outputting to a TV via HDMI

AVMATRIX H.264/H.265 SDI Streaming Encoder - [Item # V6623]

- The AV Matrix H.264/H.265 SDI Streaming Encoder, as configured by Catapult, will allow for IP Capture. Video is passed through and encoded via SDI input.



Catapult Networking Items

Ubiquiti Networks EdgeRouter 12 - [Item # V7759]

- Dimensions - 268.1 x 136.5 x 31.1 mm (10.55 x 5.37 x 1.22")
- Weight - 700 g (1.54 lb)
- Management Interface
 - (1) RJ45 Serial Port
 - (10) Ethernet Ports (Default Port 0)
 - (10) 10/100/1000 RJ45 Ports
- Networking Interface
 - Port 0 Supports PoE IN
 - Port 9 Supports PoE Out
 - (2) 1 Gbps SFP Ports
- Processor - 4-Core 1 GHz MIPS64
- System Memory - 1 GB DDR3 RAM
- On-Board Flash Storage - 4 GB eMMC, 8 MB SPI NOR
- Max. Power Consumption - 20W (Excludes PoE Output)
- Power Method - External AC/DC Power Adapter, 24W (24V, 1A) (Included) 24V Passive PoE
- Power Supply - External AC/DC Adapter
- Passive PoE
 - Voltage Range- DC/PoE Passthrough
 - Max. Wattage per Port - 20W (24V)
- Supported Voltage Range - 9 - 30VDC
- Button Reset
- LEDs
 - System - Power
 - Data Ports - Speed/Link/Activity; PoE (Ports 0 and 9 only)
 - SFP Data Port - Link/Activity
- ESD/EMP Protection - Air: ± 24 kV, Contact: ± 24 kV
- Operating Temperature -10 to 50° C (14 to 122° F)
- Operating Humidity 10 - 90% Non Condensing
- Certifications - CE, FCC, IC



Sonicwall TZ270 Router - [Item # V7760]

- Firewall Inspection Throughput - 2 Gbps
- Application Inspection Throughput - 1 Gbps
- IPS Throughput - 1 Gbps
- Threat Prevention Throughput - 750 Mbps
- VPN Throughput - 750 Mbps
- Maximum Connections - 750,000
- New Connections/Sec - 6,000
- Ethernet Ports - 8x1GbE
- USB Ports - 2 USB 3.0
- SFP/SFP+ Ports - N/A
- Expansion Slot - Storage up to 256 GB
- Power over Ethernet (PoE) Support - N/A



Catapult Storage Devices

LaCie 2BIG Quadra 16TB - [Item # V8225]

LaCie 2BIG RAID 28TB - [Item # V5028]

- Includes USB-C Female to USB-A Adapter



Catapult Travel Cases

Server Travel Case Loaded 6U - [Item # 8228]

- 30" Deep 6U Roto Shock Rack - 3SKB-R906U30
- Interior Width: 19.00 in (48.26 cm)
- Interior Height: 10.50 in (26.67 cm)
- Rackable Depth: 30.00 in (76.20 cm)
- Rack Units Total: 6
- Rail Type: 10/32" Threaded
- Middle Atlantic Rack Mount Power Strip
- Startech 17" LCD Rack Console
- Cisco SX350X-24 10Gb Layer-2 Network Switch [Item # 7752]
- USB to PS2 Converter
- 3 FT Cat5e Ethernet Patch Cable - Standard Boot - Blue
- 25 FT Cat5e Ethernet Patch Cable - Standard Boot - Red
- 25 FT Cat5e Ethernet Patch Cable - Standard Boot - Yellow
- 3 FT Cat5e Ethernet Patch Cable - Standard Boot - Green

