The PL-CAD

The Proline CAD Workstation - Create complex models, draft technical drawings, and design new products, all without any slow-down. A highfrequency machine coupled with powerful graphics, all designed to aid your creative process - faster and easier than ever.





PL-CAD

Datasheet

Dimensions LxWxH-552x240x514 mm CPU Intel® Core®' 19-10850K Cores / Threads 10 / 20 Coche 20MB L3 Chipset 2490 RAM Up to 12808 Cores / Threads 2x SMA ontenne connectors (2T2R) 2x Thunderbolt® 3 connectors (USB Type-0® ports, with USB 32 Gen 2 support) 4x USB 32 Gen 2 Type A ports (red) 2x USB 32 Gen 1 ports 2x USB 2011 ports 2x USB 20011 ports 2x USB 2011 ports 2x USB 20000 connector (Socket 3, M key, type 2242/2280/22110 SATA and POIe x4/x2 SSD support) 1x M2 connector (Socket 3, M key, type 2242/2280/22110 SATA and POIe x4/x2 SSD support) 1x M2 connector (Socket 3, M key, type 2242/2280/22110 SATA and POIe x4/x2 SSD support) 1x M2 connector (Socket 3, M key, type 2242/2280/22110 POIe x4/x2 SSD support) 1x M2 connector (Socket 3, M key, type 2242/2280/22110 POIe x4/x2 SSD support) 1x M2 connector (Socket 3, M key, type 2242/2280/22110 POIe x4/x2 SSD support) 1x M2 connector (Socket 3, M key, type 2242/2280/22110 POIe x4/x2 SSD support) 1x M2 connector (Socket 3, M key, type 2242/2280/22110 POIe x4/x2 SSD support) 1x M2 connector (Socket 3, M key, type 2242/2280/2210 POIe x4/x2 SSD support) 1x M2 connector (Socket 3, M key, type 2002/2280/2210 POIe x4/x2 SSD support) 1x M2 connector (Socket 3, M key, type 2002/2280/2210 POIe x4/x2 SSD support) 1x M2 connector (Socket 3, M key, type 2002/2280/2210 POIe x4/x2 S		
Cores / Threads10 / 20Cache20MB L3ChipsetZ490RAMUp to 1280BIO Ports2 x SMA antenna connectors [2T2R] 2 x Thunderbolt** 3 connectors [USB Type-C** ports, with USB 3.2 Gen 2 support]IO Ports2 x SM2 cen 1 zype-A ports [red] 2 x USB 3.2 Gen 1 zype-A ports [red] 2 x USB 3.2 Gen 1 zype-A ports [red] 2 x USB 3.2 Gen 2 Type-A ports [red] 2 x USB 3.2 Gen 1 zype-A ports [red] 2 x USB 3.2 Gen 1 zype-A ports [red] 2 x USB 3.2 Gen 1 zype-A ports [red] 2 x USB 3.2 Gen 2 Type-A ports [red] 2 x USB 3.2 Gen 1 zype-A ports [red] 2 x USB 3.2 Gen 1 zype-A ports [red] 2 x USB 3.2 Gen 2 Type-A ports [red] 2 x USB 3.2 Gen 1 zype-A ports [red] 2 x USB 3.2 Gen 1 zype-A ports [red] 2 x USB 3.2 Gen 2 Type-A ports [red] 2 x USB 3.2 Gen 2 Type-A ports [red] 2 x USB 3.2 Gen 2 Type-A ports [red] 2 x USB 3.2 Gen 1 ports 2 x USB 3.2 Gen 1 ports 2 x USB 3.2 Gen 2 Type-A ports [red] 2 x USB 3.2 Gen 2 Gen	Dimensions	L x W x H = 532 x 240 x 514 mm
Cache20MB L3Chipset7490RAMUp to 128GBChipset2x SMA ontenna connectors (2T2R) 2x Thunderbolt** 3 connectors (USB Type-D** ports, with USB 3.2 Gen 2 support) 2x USB 3.2 Gen 1 ports 2x USB 3.2 Gen 1 ports 	CPU	Intel® Core™ i9-10850K
Chipset2490RAMUp to 1280BIO Ports2 × SMA antenna connectors (2T2R) 2 × Thunderbott" 3 connectors (USB Type-C" ports, with USB 3.2 Gen 2 support) 4 × USB 3.2 Gen 2 Type-A ports (red) 2 × USB 2.0 Lip ports 2 × RJ-45 ports 2 × RJ-	Cores / Threads	10/20
RAMUp to 128GBIO Ports2 x SMA ontenno connectors (2T2R) 2 x Thunderbolt" 3 connectors (USB Type-C" ports, with USB 3.2 Gen 2 support) 4 x USB 3.2 Gen 2 Type-A ports (red) 2 x USB 3.2 Gen 1 ports 2 x USB 2.0/1.1 ports 2 x USB 2.0/1.1 ports 1 x HDM port 2 x R-45 ports 1 x opticol S/PDIF Out connector 5 x audio jacksRAIDSupport for RAID 0.1, 5, 10M.2 Storage1 x M.2 connector (Socket 3, M key, type 2242/2280/22110 SATA and PCIe x4/x2 SSD support) 1 x M.2 connector (Socket 3, M key, type 2242/2280/22110 SATA and PCIe x4/x2 SSD support) 1 x M.2 connector (Socket 3, M key, type 2242/2280/22110 PCIe x4/x2 SSD support)2.5" Storage29.5U850W PlatinumPCIe1 x PCI Express x16 slot, running at x16 (PCIEX16) 1 x PCI Express x16 slot, running at x8 (PCIEX9)	Cache	20MB L3
IO Ports2 × SMA antenna connectors (2T2R) 2 × Thunderbolt" 3 connectors (USB Type-C1" ports, with USB 3.2 Gen 2 support) 4 × USB 3.2 Gen 1 ports 2 × USB 2.0 (1.1 ports) 2 × R1-45 ports 1 × dptical S/PDIF Out connector 5 × oudio jocksRAIDSupport for RAID 0.1 S.10M.2 Storage1 × M2 connector (Socket 3, M key, type 2242/2280/22110 SATA and PCIe ×4/x2 SSD support) 1 × M2 connector (Socket 3, M key, type 2242/2280/22110 SATA and PCIe ×4/x2 SSD support) 1 × M2 connector (Socket 3, M key, type 2242/2280/22110 DCIe ×4/x2 SSD support)2.5" Storage2SLSOW PlatinumPSUSOW PlatinumPCIe1 × PCI Express XI6 slot, running at XI6 (PCIEX16) 1 × PCI Express XI6 slot, running at X8 (PCIEX4) 1 × PCI Express XI6 slot, running at X8 (PCIEX4)	Chipset	Z490
2 × Thunderbolt™ 3 connectors (USB Type-C™ ports, with USB 3.2 Gen 2 support) 4 × USB 3.2 Gen 1 ports 2 × USB 3.2 Gen 1 ports 2 × USB 3.2 Gen 1 ports 2 × USB 2.0/11 ports 1 × HDM port 2 × RI-45 ports 1 × optical S/PDIF Out connector 5 × audio jacksRAIDSupport for RAID 0, 1, 5, 10M.2 Storage1 × M.2 connector (Socket 3, M key, type 2242/2280/22110 SATA and PCIe ×4/x2 SSD support) 1 × M.2 connector (Socket 3, M key, type 2242/2280/22110 SATA and PCIe ×4/x2 SSD support) 1 × M.2 connector (Socket 3, M key, type 2242/2280/22110 PCIe x4/x2 SSD support)2.5" Storage22.5" Storage2PSU850W Platinum1 × PCI Express x16 slot, running at x16 (PCIEX16) 1 × PCI Express x16 slot, running at x4 (PCIEX4)	RAM	Up to 128GB
M.2 Storage1 × M.2 connector (Socket 3, M key, type 2242/2280/22110 SATA and PCIe x4/x2 SSD support) 1 × M.2 connector (Socket 3, M key, type 2242/2280/22110 SATA and PCIe x4/x2 SSD support) 1 × M.2 connector (Socket 3, M key, type 2242/2260/2280/22110 PCIe x4/x2 SSD support)2.5" Storage23.5" Storage2PSU850W PlatinumPCIe1 × PCI Express x16 slot, running at x16 (PCIEX16) 1 × PCI Express x16 slot, running at x8 (PCIEX8) 1 × PCI Express x16 slot, running at x4 (PCIEX4)	IO Ports	2 x Thunderbolt [™] 3 connectors (USB Type-C [™] ports, with USB 3.2 Gen 2 support) 4 x USB 3.2 Gen 2 Type-A ports (red) 2 x USB 3.2 Gen 1 ports 2 x USB 2.0/1.1 ports 1 x HDMI port 2 x RJ-45 ports 1 x optical S/PDIF Out connector
M.2 Storagex4/x2 SSD support) 1 x M.2 connector (Socket 3, M key, type 2242/2280/22110 SATA and PCIe x4/x2 SSD support) 1 x M.2 connector (Socket 3, M key, type 2242/2260/2280/22110 PCIe x4/x2 SSD support)2.5" Storage23.5" Storage2PSU850W Platinum1 x PCI Express x16 slot, running at x16 (PCIEX16) 1 x PCI Express x16 slot, running at x8 (PCIEX8) 1 x PCI Express x16 slot, running at x4 (PCIEX4)	RAID	Support for RAID 0, 1, 5, 10
3.5" Storage 2 PSU 850W Platinum PCIe 1x PCI Express x16 slot, running at x16 (PCIEX16) 1x PCI Express x16 slot, running at x8 (PCIEX8) 1x PCI Express x16 slot, running at x4 (PCIEX4)	M.2 Storage	x4/x2 SSD support) 1 x M.2 connector (Socket 3, M key, type 2242/2280/22110 SATA and PCIe x4/x2 SSD support) 1 x M.2 connector (Socket 3, M key, type 2242/2260/2280/22110 PCIe x4/x2
PSU 850W Platinum 1 x PCI Express x16 slot, running at x16 (PCIEX16) 1 x PCI Express x16 slot, running at x8 (PCIEX8) 1 x PCI Express x16 slot, running at x4 (PCIEX4)	2.5" Storage	2
1 x PCI Express x16 slot, running at x16 (PCIEX16) 1 x PCI Express x16 slot, running at x8 (PCIEX8) 1 x PCI Express x16 slot, running at x4 (PCIEX4)	3.5" Storage	2
1 x PCI Express x16 slot, running at x8 (PCIEX8) 1 x PCI Express x16 slot, running at x4 (PCIEX4)	PSU	850W Platinum
slot is populated, the PCIEX16 slot operates at up to x8 mode.	PCIe	1 x PCI Express x16 slot, running at x8 (PCIEX8) 1 x PCI Express x16 slot, running at x4 (PCIEX4) * The PCIEX8 slot shares bandwidth with the PCIEX16 slot. When the PCIEX8



