

Table version: 2019 R3 Version Date: 10/28/19  
Copyright ANSYS, Inc. 2019.



Table version: 2019 R3 Version Date: 10/28/19 Copyright ANSYS, Inc. 2019.		ANSYS 2019 R3 License Feature Name(s)										ANSYS 2019 R3 License Feature Name(s)										High Performance Computing					Other											
		License Managers					Structural & Fluids Solver Capability					Discovery					Electronics & Systems Solver Capability					Solver Numerical Limits					MCAD Geometry & EDA Interfaces					Pre & Post Processing Features & Workbench Applications		High Performance Computing				
		ANSYS License Manager (ansyslmd) Apache License Manager (apacheeda) Enterprise License Manager (eslmed)					ANSYS AIM Pro ANSYS Rigid Dynamics (Rigid Body Dynamics) ANSYS Meshing (legacy, replaced by ANSYS Maxwell) ANSYS CFX ANSYS Fluent (includes NOx, Fiber, MHD, Population Balance Modules)					ANSYS Mechanical User Programmable Features (USER300 & related commands) ANSYS Fluent Direct Modeler (includes Faceted Data Toolkit) ANSYS Polyflow ANSYS LS-DYNA ANSYS icepak ANSYS CHIMIKIN-Pro FORTE, Reaction Workbench, Encrypted Non-Member ANSYS FENAP-ICE, OptiGrid, and Viewmational ANSYS Asas - All modules except of Concrete & Panel Legacy, replaced by Mechanical ANSYS Asas - All modules except of Concrete & Panel Legacy, replaced by Mechanical ANSYS SpaceClaim Direct Modeler (includes Faceted Data Toolkit) Discovery AIM Discovery Live Discovery Ultimate Enterprise ANSYS Electronics Desktop (Includes RuXpert, PExprt) ANSYS HFSS Solver (EM frequency, time domain & MoM frequency domain solver) ANSYS HFSS SBR+ Solver ANSYS HFSS Physical Optics Solver ANSYS HFSS Fullwave Spice Export ANSYS G3D Extractor 3D solver(2D & 3D quasi static) EM field simulation & RLCG ANSYS RF Option DC: Harmonic balance, Transient, Oscillator, TV, Noise, filter ANSYS SI Option (DC, Quckkey, Ventity, IBIS-AMI), Transient, (run-HSPICE) netlists, ANSYS Siwave Power & SI-Hybrid, Bulk-wave FEM for DC-Static, AC-free domain & ANSYS Siwave DC (DC power analysis, 3D FEM for DC static) ANSYS Siwave PI (DC & PI: DC static, AC-Steady state, PI Advisor) ANSYS Simplex/Advanced (deg/c) ANSYS RedHawk NX ANSYS RedHawk SD ANSYS PowerArtist XP ANSYS PowerArtist PT SCADE System, Suite, Display and LifeCycle Unlimited Numerical problem size limits					100K nodes/element - AIM Structural, Thermal & AUTODYN 256K nodes/element - Structural, Thermal & AUTODYN 500K nodes/element - AIM Low Frequency Electromagnetics 64K nodes/element - Low Frequency Electromagnetics 512K nodes/element - High Frequency (Full Wave) Electromagnetics 1024K nodes/element - High Frequency (Full Wave) Electromagnetics 512K nodes/element - Fluid Dynamics (CFX & FLUENT) 1024K nodes/element - AIM Fluid Dynamics Neural File Import (IGES, STEP) Import most common MCAD formats via SpaceClaim (Replaces Alinks for MCAD) ANSYS Geometry Interfaces for Parasolid, SAT ANSYS Geometry Interfaces for Solidworks, SolidEdge, Autodesk, NX ANSYS Geometry Interface for CATIA V5 & V6 Reader Geometry Interface for JT Import from 3rd party EDA, exported data ANSYS Alink for EDA (Altium, Cadence, Mentor Graphics, Sigity and Zulken) ANSYS PrepPost (Includes ANSYS MAPDL, Prep7, Post1) Mechanbach Schematics (Project Page) ANSYS DesignModeler ANSYS Customization Suite (ACT) ANSYS Workbench Meshing (Includes Extended Meshing) ANSYS Workbench System Coupling (FSI with CNE license) ANSYS Workbench Acoustics ANSYS Composite PrePost ANSYS Design Explorer ANSYS Workbench Mechanical Application (Simulation) ANSYS Workbench Resources (Engineering Data) ANSYS Workbench Design Point Updates ANSYS Workbench Topological Optimization ANSYS Mesh Morph, TurbGrid ANSYS CEM output interfaces for 3rd party solvers ANSYS BladeModeler (BladeGen, BladeEditor & VISTA CFD, CDD, AFD & RTD) ANSYS LS-DYNA Export *K file ANSYS EnSight Entprise (Includes EnVision Pro, plus 128 core HPC)					Ability to extend built-in HPC at extra cost Mechanical & Fluids HPC - Shared Memory, Distributed Memory, Domain Decomposition, Frequency Sweep Electronics HPC - Distributed Memory, Domain Decomposition, Frequency Sweep General Purpose GPU Support (ANSYS Mechanical & ANSYS Fluent solvers) ANSYS Remote Solver Manager (RSW) V/T Accelerator & Frequency Sweeper VT Legacy, Replaced by Design Point Updates Optimetrics - Parametric Design Optimization for HFSS, Maxwell, etc. Distributed Solver Option (DSO) - For distributing an optimization solution					ANSYS EKM Individual ANSYS EKM Shared/Legacy ANSYS Grants Materials Data for Simulation Academic screen logo License borrowing (optional, turned Off in the license file by default) Node lock license (tied to installation machine) Floating LAN Licenses (50 mile radius standard, upgradable to Country Wide) Floating LAN Licenses (Country Wide standard)					High Performance Computing					Other	
ACADEMIC STRUCTURAL & FLUIDS PRODUCTS																																						
ACADEMIC ASSOCIATE																																						
ANSYS Academic Associate Mechanical and CFD		aa_a, aa_mcad					ANSYS AIM Pro ANSYS Rigid Dynamics (Rigid Body Dynamics) ANSYS Meshing (legacy, replaced by ANSYS Maxwell) ANSYS CFX ANSYS Fluent (includes NOx, Fiber, MHD, Population Balance Modules)					ANSYS Mechanical User Programmable Features (USER300 & related commands) ANSYS Fluent Direct Modeler (includes Faceted Data Toolkit) ANSYS Polyflow ANSYS LS-DYNA ANSYS icepak ANSYS CHIMIKIN-Pro FORTE, Reaction Workbench, Encrypted Non-Member ANSYS FENAP-ICE, OptiGrid, and Viewmational ANSYS Asas - All modules except of Concrete & Panel Legacy, replaced by Mechanical ANSYS Asas - All modules except of Concrete & Panel Legacy, replaced by Mechanical ANSYS SpaceClaim Direct Modeler (includes Faceted Data Toolkit) Discovery AIM Discovery Live Discovery Ultimate Enterprise ANSYS Electronics Desktop (Includes RuXpert, PExprt) ANSYS HFSS Solver (EM frequency, time domain & MoM frequency domain solver) ANSYS HFSS SBR+ Solver ANSYS HFSS Physical Optics Solver ANSYS HFSS Fullwave Spice Export ANSYS G3D Extractor 3D solver(2D & 3D quasi static) EM field simulation & RLCG ANSYS RF Option DC: Harmonic balance, Transient, Oscillator, TV, Noise, filter ANSYS SI Option (DC, Quckkey, Ventity, IBIS-AMI), Transient, (run-HSPICE) netlists, ANSYS Siwave Power & SI-Hybrid, Bulk-wave FEM for DC-Static, AC-free domain & ANSYS Siwave DC (DC power analysis, 3D FEM for DC static) ANSYS Siwave PI (DC & PI: DC static, AC-Steady state, PI Advisor) ANSYS Simplex/Advanced (deg/c) ANSYS RedHawk NX ANSYS RedHawk SD ANSYS PowerArtist XP ANSYS PowerArtist PT SCADE System, Suite, Display and LifeCycle Unlimited Numerical problem size limits					100K nodes/element - AIM Structural, Thermal & AUTODYN 256K nodes/element - Structural, Thermal & AUTODYN 500K nodes/element - AIM Low Frequency Electromagnetics 64K nodes/element - Low Frequency Electromagnetics 512K nodes/element - High Frequency (Full Wave) Electromagnetics 1024K nodes/element - High Frequency (Full Wave) Electromagnetics 512K nodes/element - Fluid Dynamics (CFX & FLUENT) 1024K nodes/element - AIM Fluid Dynamics Neural File Import (IGES, STEP) Import most common MCAD formats via SpaceClaim (Replaces Alinks for MCAD) ANSYS Geometry Interfaces for Parasolid, SAT ANSYS Geometry Interfaces for Solidworks, SolidEdge, Autodesk, NX ANSYS Geometry Interface for CATIA V5 & V6 Reader Geometry Interface for JT Import from 3rd party EDA, exported data ANSYS Alink for EDA (Altium, Cadence, Mentor Graphics, Sigity and Zulken) ANSYS PrepPost (Includes ANSYS MAPDL, Prep7, Post1) Mechanbach Schematics (Project Page) ANSYS DesignModeler ANSYS Customization Suite (ACT) ANSYS Workbench Meshing (Includes Extended Meshing) ANSYS Workbench System Coupling (FSI with CNE license) ANSYS Workbench Acoustics ANSYS Composite PrePost ANSYS Design Explorer ANSYS Workbench Mechanical Application (Simulation) ANSYS Workbench Resources (Engineering Data) ANSYS Workbench Design Point Updates ANSYS Workbench Topological Optimization ANSYS Mesh Morph, TurbGrid ANSYS CEM output interfaces for 3rd party solvers ANSYS BladeModeler (BladeGen, BladeEditor & VISTA CFD, CDD, AFD & RTD) ANSYS LS-DYNA Export *K file ANSYS EnSight Entprise (Includes EnVision Pro, plus 128 core HPC)					Ability to extend built-in HPC at extra cost Mechanical & Fluids HPC - Shared Memory, Distributed Memory, Domain Decomposition, Frequency Sweep Electronics HPC - Distributed Memory, Domain Decomposition, Frequency Sweep General Purpose GPU Support (ANSYS Mechanical & ANSYS Fluent solvers) ANSYS Remote Solver Manager (RSW) V/T Accelerator & Frequency Sweeper VT Legacy, Replaced by Design Point Updates Optimetrics - Parametric Design Optimization for HFSS, Maxwell, etc. Distributed Solver Option (DSO) - For distributing an optimization solution																
ANSYS Academic Associate Chemical Kinetics (legacy)		Multiple features																																				
ANSYS Academic Associate HPC (Including HPC Workgroup)		aa_a_hpc																																				
ACADEMIC RESEARCH																																						
ANSYS Academic Research Mechanical and CFD		aa_a, aa_mcad																																				
ANSYS Academic Research Mechanical		aa_a_cfd, aa_mcad																																				
ANSYS Academic Research CFD		aa_a_cfd, aa_mcad																																				
ANSYS Academic Research Chemical Kinetics (legacy)		Multiple features																																				
ANSYS Academic Research Polyflow (legacy)		aa_a_pf, aa_mcad																																				
ANSYS Academic Research Autodyn (legacy)		aa_a_ad, aa_mcad																																				
ANSYS Academic Research Electronics Thermal (legacy)																																						