Version Comparison

Not sure which AviPLAN™ version is right for you? Consult the below feature comparison!

Major Features	AviPLAN Turn	AviPLAN Turn Pro	AviPLAN Airside	AviPLAN Airside Pro
LIBRARIES				
2D commercial, cargo and military airplanes and helicopters - top view	●	●	●	●
2D tractors (towbar and towbarless) and Ground Support Equipment - top view	●	●	●	●
Create 2D custom vehicles	●	●	●	●
2D commercial, cargo and military airplanes - front and side views		●		●
2D design (critical) airplanes for each FAA, EASA and ICAO group - top view		●		●
3D realistic commercial, cargo and military airplanes		●		●
3D realistic tractors (towbar and towbarless) and Ground Support Vehicles		●		●
Create and store groups of airplanes, e.g. airline fleet mix		●		●
2D passenger boarding bridges - top view			●	●
Create 2D custom passenger boarding bridges			●	●
3D realistic passenger boarding bridges				●
PATH CONSTRUCTION				
Simulate aircraft and vehicle maneuvers, both forwards and in reverse	●	●	●	●
Perform pushback or tow maneuver with airplane and compatible tractor	●	●	●	●
Follow nose-gear or cockpit ground markings (CAD line and arc elements) or;	●	●	●	●
Maneuver manually or specify direction (value or inherited from CAD element)	●	●	●	●
Alternate between arc, direct and oversteer turn types	●	●	●	●
Vary speed and (nose-gear) steering angle, even when reversing	●	●	●	●
Select from multiple construction points, e.g. airplane nose-gear or cockpit	●	●	●	●
Review heads-up display of projected path and airplane or vehicle position	●	●	●	●
Edit/modify path parameters, e.g. turn types and speed	●	●	●	●
View real-time path information, e.g. distance, duration, steering angle	●	●	●	●
Design nose-gear or cockpit centerline markings		●		●
Change steering angle dynamically to optimize maneuvers		●		●
Set path start/end by clicking objects in existing simulations		●		●
Perform simulations with realistic 3D airplanes and vehicles on X, Y plane		●		●
Alternate between 2D and 3D modes		●		●
PATH DISPLAY ELEMENTS				
Paths e.g. nose-gear and main-gear, engines, wing tips, pilot's eye	●	●	●	●
Jet blast velocity contours and impact areas for various engine thrust levels	●	●	●	●
ICAO/FAA/EASA/User-defined nose-gear, main-gear or wing tip clearances	●	●	●	●
Service connections and vehicle arrangements	●	●	●	●
Clearance box and engine-intake danger area	●	●	●	●
Vehicle body and wheel envelope	●	●	●	●
Static airplane/vehicle at set point(s) along path	●	●	●	●
Nose-gear or cockpit centerline marking		●		●
Path sections (split into multiple sections) showing e.g. jet blast transition		●		●
3D path e.g. wing tips, engine undersides, tail tip (minimum/maximum heights)		●		●

Aviplan_comparison_short_0915

Transoft solutions

Major Features	AviPLAN Turn	AviPLAN Turn Pro	AviPLAN Airside	AviPLAN Airside Pro
STAND DESIGN (CONTACT AND REMOTE) AND PARKING				
Park 2D airplane, helicopter or vehicle	●	●	●	●
Park 3D airplane or vehicle		●		●
Define a remote stand, including lead-in line			●	●
Define a contact stand (gate), including apron slope, bridge and lead-in line			●	●
Specify bridge characteristics, e.g. envelope limits, cabin rotation and stairs			●	●
Specify settings for docking parameters, e.g. maximum slope, fuel pit limits			●	●
Specify a margin of error to allow for airplane misparking			●	●
Define (manually) and/or reposition stop lines, using range indicator assistant			●	●
Drag airplane(s) along lead-in line and monitor bridge slope and other results			●	●
Review heads-up display when (re)positioning bridges, lead-in or stop lines			●	●
View detailed real-time numerical results, including warning indications			●	●
Add multiple bridges and lead-in lines (MARS)				●
Define apron service installations, e.g. fuel pits, 400 Hz and conditioned air				●
Automate stop line creation process (considers all specified parameters)				●
Automate airplane positioning (considers all specified parameters)				●
Automate stop line usage (minimize number of stop lines used)				●
Automate bridge slope or length minimization				●
Clearance violation alert on a stand, e.g. between airplane(s) and/or bridge(s)				●
Perform simulations with realistic 3D airplanes and bridges on X, Y plane				●
Alternate between 2D and 3D modes				●
DISPLAY ELEMENTS FOR STAND DESIGN AND PARKING				
Service connections and vehicles, clearance box(es), engine-intake area(s)	●	●	●	●
Bridge envelope(s), parked and docked bridges, airplanes and vehicles			●	●
Lead-in line(s) with stop lines, (custom) labels and limits (front and rear)			●	●
Airplane cloud and merged clearance box (all airplanes on a lead-in line)			●	●
Fuel pit(s) and other installations, with safety and/or operational radius				●
3D parked and docked bridges, airplanes and vehicles				●
AIRSIDE DESIGN				
FAA, EASA or ICAO airplane classification and minimum clearance regulations	●	●	●	●
Airplane filtering and sorting options, compare and/or select critical airplane(s)	●	●	●	●
Fillet Design (Task): Define taxiway intersection routes/entries		●		●
Fillet Design: Create fillet, shoulder, critical engine lines for critical airplanes		●		●
Continue planning in 2D and convert only critical studies to 3D		●		●
Clearance violation alert between stands, e.g. when (re)positioning a stand				●
REPORTING				
Create Microsoft Word® (.odt) and/or CAD text path reports	●	●	●	●
Create Microsoft Word® (.odt), Excel® (.csv) and/or CAD text stand reports			●	●
ANIMATION AND VISUALIZATION				
Animate 2D airplane, helicopter and vehicle movements in CAD drawing	●	●	●	●
Animate 3D airplane, helicopter and vehicle movements in CAD drawing		●		●
Create 2D and 3D presentations with multiple simulations		●		●
Sequence/Set start and stop times for each simulation session		●		●

Major Features	AviPLAN Turn	AviPLAN Turn Pro	AviPLAN Airside	AviPLAN Airside Pro
ANIMATION AND VISUALIZATION *continued*				
Follow a moving object or pan between fixed camera positions		●		●
Display static objects and path elements before and after animation		●		●
Set properties for simulation sessions in presentation, e.g. fill color, line types		●		●
Select playback speed and display elapsed time in presentation		●		●
Set frames per second and video codec type to reduce AVI file size		●		●
Record presentations to AVI for playback using any compatible movie player		●		●
DATA MANAGEMENT				
Set colors, line type, layer/level and other properties for display elements	●	●	●	●
Create and store property templates, independent from drawing	●	●	●	●
Export/Share custom bridges and vehicles	●	●	●	●
Store simulations with unique names and manage using folders	●	●	●	●
Duplicate simulations within a drawing and place on desired location	●	●	●	●
Copy simulations from the user database and place in a (new) drawing		●		●
Store presentations with unique names and manage using folders		●		●
Export/Share simulations for use in other drawing(s) and/or CAD platform(s)		●		●
TECHNOLOGY\COMPATIBILITY				
Workstation Silent Install / Windows® Installer (MSI)	●	●	●	●
License server with user permissions and license checkout (borrow)	●	●	●	●
Automatically check for and apply licensing updates	●	●	●	●
Workstation: Windows® XP - 10 (32, 64-bit)	●	●	●	●
Network server: Microsoft® Server 2003 - 2008 (32, 64-bit), 2008 R2 - 2012 R2 (64-bit)	●	●	●	●
Autodesk: AutoCAD® 2010 - 2016 including verticals (except AutoCAD LT)	●	●	●	●
Bentley: MicroStation® V8i SS1 - SS3	●	●	●	●
Bricsys: BricsCAD® V14 - V15 (Pro and Platinum versions only)	●	●	●	●