



Primus® Apex
Integrated Flight Deck

The next generation flight deck for the
PC-12 NG BY PILATUS

Designed in partnership with Pilatus, Honeywell's Primus Apex for the PC-12 NG offers owners and operators new technology, features and capabilities only found in the industry's most advanced aircraft.



Primus® Apex is the clear alternative to other cockpits. The Honeywell User Experience provides a human- and technology-centered innovation that focuses on pilot performance and experience, and on design and usability. The Primus Apex cockpit has been proven by years of testing and real-world flying experience.

Image courtesy of Pilatus Group

More than just a pretty picture

Derived from technology developed for the Primus® Epic system, Primus Apex delivers growth for new functions through software upgrades versus downtime of adding or replacing hardware. Unsurpassed graphical displays in the ergonomic and stylish cockpit provide the ultimate flight experience and capabilities for pilots.

System functions include: SmartView™ Synthetic Vision System, Enhanced Cursor Control Device, wireless apps, Interactive Navigation (INAV) including on-screen graphical flight planning, dual FMS, coupled VNAV, Satellite-Based Augmentation System (SBAS)/Wide Area Augmentation System (WAAS) LPV approach capability, Enhanced Video System and Steep Approach.

This unique Apex architecture ensures PC-12 NG owners that it is easily modified to adapt to the constantly changing airspace environment.

- Two primary flight displays and two multifunction displays with crystal-clear data and wide viewing angles for exceptional cross-cockpit scanning
- Unsurpassed integration of aircraft systems — including safety sensors, navigation and terrain database information for increased safety and situational awareness
- Incorporates the latest Communication Navigation Surveillance/Air Traffic Management operational requirements such as enhanced surveillance
- Central maintenance system provides simplified diagnostics



See more clearly and fly safer with SmartView™ SVS

Honeywell's SmartView™ Synthetic Vision System is the industry's first certified and proven synthetic vision system. It presents a natural and intuitive 3D terrain display on the primary flight display that complements lateral and vertical situational views by synthesizing key flight information for the crew and delivering it in an easy to understand way.

SmartView is a revolutionary product, which will increase safety and situational awareness. Interactive Navigation (INAV™) enables operators to update and modify flight plans, waypoint lists, and navigation with its patented graphical flight planning capabilities. Enabled by intuitive pilot interfaces, INAV merges navigation, weather, terrain and traffic data onto a single display and layers key information for unmatched situational awareness without the clutter.

The Primus® Apex Cockpit System is upgradeable to meet the specific operational needs of current Pilatus PC-12 owners and operators:

- SmartView™ Synthetic Vision system for increased situational awareness
- Wireless connectivity package using Aspen CG100P and experience faster loading times
- ADS-B out feature that continually broadcasts aircraft position and other data to any aircraft or ground station equipped to receive ADS-B
- Video input
- Electronic charts and maps
- XM® Weather
- LPV approaches
- Electronic checklist
- Terrain and flight plan vertical profile
- Co-pilot primary flight display
- 2nd FMS
- Coupled VNAV/VGP
- Steep Approach
- TCAS I / TAWS B Combo
- TCAS I
- TAWS A – Terrain Awareness Warning System

The new Pilatus PC-12 NG is equipped with Honeywell's next generation Primus® Apex Flight Deck component / function options above, plus new ones. Of course, current PC-12 operators can take advantage of these as retrofit options to optimize performance and enhance safety. Next Generation Apex includes:

- FMS Altitude Temperature Comp
- New Route Waypoint List Window
- ETE in x-Waypoint List Window
- Task Menu "Vertical Direct To"
- Flight Summary post-landing
- Pilot-entered Waypoints on INAV
- UTC Clock on HSI
- Excess Vertical Deviation Indication
- Auto Nav Identification
- Additional Pilot Settings through Power Cycle
- Crew Alerting Messages
- FMS Orbital Hold function
- MyGDC Flight Planning (subscription required)

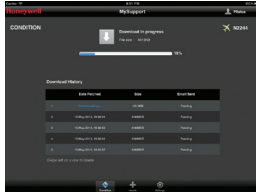
Global Data Center Apps

Honeywell's Global Data Center (GDC) is your partner for comprehensive flight support services. In addition to proven VHF and satellite datalink communications, the GDC also provides a wide variety of essential flight support services designed to help you fly more efficiently and avoid hazardous weather and ATC delays.



Flight Path App

- Aircraft Moving Map, information directly from Apex FMS



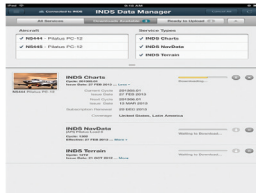
myCMC App

- FHDB/ACMF Data Retrieval



myGDC Flight Planning App

- On ground Flight Plan creation and Loading



INDS Data Manager App

- Faster Data Loading of Charts, Maps and Terrain Database

Primus® Apex Wireless Gateway

- Simplicity, no cables to plug in
- Faster, easier data uploads and downloads
- Time savings, efficiency



ASPEN AVIONICS

Honeywell Aerospace

Honeywell
1944 E. Sky Harbor Circle
Phoenix, AZ 85034
aerospace.honeywell.com

Want to get right to the bottom line? Here are the top features pilots say are so great about the PC-12 NG's integrated avionics system:

1. The combination of track-centered synthetic vision and performance-based HUD symbology (acceleration chevron, dynamic speed bug, and Flight Path Symbol) makes it intuitively easier to fly precise approaches and departures.
2. The Cursor Control Device (CCD) provides avionics interface redundancy and serves as a stable platform in turbulence for the pilot to fly the aircraft with one hand and control avionics with the other.
3. Software-controlled menu navigation is simple and intuitive, with most actions just one level deep. Redundant hardware controllers allow direct input of important functions in an organized manner, which reduces cognitive workload.
4. The 4-display, dual MFD layout allows all critical flight information to be visible at all times. Moving map, Flight Plan, Checklist, Approach Chart, Radar, TCAS, XM weather, Vertical Situation Display, and TAWS can all be displayed simultaneously without having to swap back and forth between screens.
5. The PC-12 features one of the smoothest flying autopilots in the air, based on airline transport technology. It incorporates a true Flight Management System (FMS) that acts like an "electronic copilot," integrating the functions of flight planning, navigation, guidance, and performance to automatically fly an optimized and efficient 3-dimensional flight path.

Worldwide Customer Support

Honeywell's avionics are based on proven technology providing exceptionally high reliability and simplified maintenance. When service is needed, our customer engineers and service centers are located around the world to provide efficient, responsive support.