



GARMIN ANNOUNCES G1000 NXI UPGRADE FOR PHENOM 100/300 BUSINESS JETS

News / Business aviation, Manufacturer



There are two new members in the G1000 NXi upgrade club — the Embraer Phenom 100 and Phenom 300 equipped with the Prodigy Flight Deck. This integrated flight deck upgrade includes significant performance enhancements, plus unique features such as SurfaceWatch, visual approaches, geographical map overlay within the HSI and more. Supplemental Type Certificate for the G1000 NXi integrated flight deck upgrade on the Phenom 100/300 is targeted for approval in Q1 2019 and will be available from select Garmin dealers and Embraer service centers.

The G1000 NXi integrated flight deck boasts a comprehensive feature set with new and advanced capabilities. Unique features included as part of the G1000 NXi upgrade for the Phenom include:

- SurfaceWatch runway monitoring technology that provides visual and aural cues to help prevent pilots from taking off or landing on a taxiway, on a runway that is too short or on the wrong runway based on performance data entered during preflight.
- Visual approaches offer pilots enhanced guidance in visual flight conditions based on a three-degree glideslope from the threshold of the runway. Pilots can set customized minimums, select vectors or straight-in for the final approach intercept and fly a visual approach coupled with the autopilot.
- Geographical map overlay within the HSI supports the display of NEXRAD, Flight Information Service-Broadcast (FIS-B) weather, weather radar, SafeTaxi airport diagrams, traffic, terrain and more.
- Flight Stream 510 and Connex technology enables Database Concierge, the wireless

transfer of aviation databases from the Garmin Pilot app on a mobile device to the G1000 NXi integrated flight deck. Flight Stream 510 also supports two-way flight plan transfer, the sharing of traffic, weather, GPS information, back-up attitude information and more.

- Available as an option for the Phenom 100, the G1000 NXi system supports the display of various Automatic Dependent Surveillance-Broadcast (ADS-B) “In” benefits via the GTX 345R transponder.
- Pilot’s can optionally overlay European Visual Reporting Points (VRPs) on the moving map, as VRPs are standard within the navigation database.
- Display of sectional charts, as well as IFR low/high enroute charts are available on the MFD.
- Smart Airspace highlights the airspace nearest the aircraft’s current altitude and de-emphasizes non-pertinent airspace.
- COM frequencies are decoded and displayed on the Primary Flight Deck (PFD) or easier interpretation.
- Decoded Terminal Aerodrome Forecasts (TAFs) can be viewed on the Multi-function Display (MFD).

Modern, state-of-the-art processors provide existing Phenom 100/300 owners and operators smoother panning throughout the displays and faster map rendering within the G1000 NXi. The flight displays initialize in seconds so pilots have immediate access to frequencies, flight plan data and more, saving valuable time in the cockpit. The G1000 NXi integrated flight deck also incorporates contemporary animations and new LED back-lighting, offering increased display brightness and clarity, reduced power consumption and improved dimming performance.

Phenom owners and operators can easily upgrade to the G1000 NXi with minimal aircraft down time and disruption of the panel as the displays preserve the same footprint and connectors, so panel modifications are not required. The upgraded components also come with a two-year warranty, which is supported by our award-winning avionics product support team. For additional information regarding the G1000 NXi upgrade for the Phenom, contact Scott Fye at (913) 440-2412 or scott.frye@garmin.com. For additional details, visit: www.garmin.com/aviation.

09 APRIL 2018

ARTICLE LINK:

<https://50skyshades.com/news/manufacturer/garmin-announces-g1000-nxi-upgrade-for-phenom-100300-business-jets>