
Avionics

Garmin G1000 fully integrated avionics glass panel flight deck with a large-format, high-resolution display system consisting of:

Dual high definition color LCD displays - GDU 1040 10.4" primary flight display (PFD) and 1043 multi-function display (MFD) with XGA (1024 x 768 pixels) resolution, wide viewing angles, and clear sunlight readability

Comm 1 - Garmin GIA 63 communications 16-watt transceiver (118.00 to 136.992 MHz with 8.33 KHz channel increments); WAAS - upgradeable to C146

Comm 2 - Garmin GIA 63 communications 16-watt transceiver (118.00 to 136.992 MHz with 8.33 KHz channel increments); WAAS - upgradeable to C146

Nav 1 - Garmin GIA 63 VOR/ILS/LOC receiver tuning (108.00 to 117.95 MHz)

Nav 2 - Garmin GIA 63 VOR/ILS/LOC receiver tuning (108.00 to 117.95 MHz)

Dual GPS - IFR oceanic - C129A approved GPS internal to GIA 63's

Transponder - GTX 33 integrated Mode S transponder with traffic information service (TIS*) [*TIS is for domestic customers only]

AHRS 1 - Garmin GRS 77 integrated solid-state attitude heading and reference system, and GMU 44 magnetometer

ADC 1 - GDC 74 integrated digital air data computer

Audio/marker system - GMA 1347; audio control panel and intercom system with associated aural tones

TAWS B - integrated Class-B terrain awareness and warning system (TAWS) with worldwide terrain or domestic terrain and obstacle database

EIS engine indication advisories - function of MFD or PFD in reversionary mode

Two GEA 71 engine airframe data concentrators displayed on MFD

AFCS - GFC 700 integrated automatic flight control system (AFCS); flight director (FD) computations are performed with the remote mounted autopilot within the GSA 80 servos

WX data link - GDL 69A

Radar - GWX 68 digital 4 color, vertical profile weather radar

Hand-held microphone (mounted on end of armrest between pilot's and copilot's chair)

Cockpit speaker

Static wicks

Avionics master switch

Emergency Locator Transmitter (ELT) with cockpit switch

Engine Indication Display on G1000

Dual manifold pressure

Dual tachometers

Dual fuel flow with electronic fuel flow transducers

Dual individual cylinder head and exhaust temperature indicators

Dual oil pressure/oil temperature

Dual fuel quantity

Engine sync display

Cockpit Instruments Display on G1000

Airspeed

Altitude

Attitude

Vertical speed

Turn coordination

HSI - horizontal situation indicator/heading

Two alternator load meters

Bus voltmeter

Cockpit Instruments

Magnetic compass

Outside air temperature gauge

Pilot's control wheel LCD digital chronometer clock

Flight hour recorder

Standby Sigma Tek airspeed indicator

Standby Aerosonic altitude indicator

Standby MCI electronic attitude indicator with 45 minute battery backup

Engines And Propellers

Teledyne Continental Special Edition six cylinder IO-550-C fuel injected engines rated at 300 horsepower each

Hartzell three blade, aluminum alloy, 77" diameter, constant speed propellers, with full feathering, and polished spinners
Propeller synchronizer
Starters
Gear driven alternators
Dual pressure auxiliary fuel pumps
Induction air filters
Stainless steel exhaust manifolds
Full flow oil filters
Non-congealing oil radiators
Large capacity instrument air pressure pumps

Landing Gear And Brakes

Tricycle type with electro-mechanical extension and retraction system
Steerable nose landing gear with shimmy damper and Beech oil-air strut
Individual down locks on main landing gear
Heavy duty brakes
Main wheel tires (tube type) - 6.50 x 8
Nose wheel tire (tube type) - 5.00 x 5
Two-spot hydraulic disc brakes
Fully enclosed nose and main landing gear
Auxiliary landing gear extension control
Throttle and flap controlled, landing gear-up warning horn, and annunciator light
Throttle controlled, landing gear retract prevention system

Systems And Controls

Conventional dual column, three axis control system with adjustable pilot's (left side) rudder pedals
Adjustable copilot's (right side) rudder pedals
Individual toe operated pilot's and copilot's brakes
Parking brake with hand control
Automatic lightweight de-icing boots
Electro-thermal propeller de-ice system
Heated stall warning vane
Electronic stall warning horn
Adjustable aileron, rudder and dual elevator trim tabs
Pedestal mounted throttle, propeller and mixture control levers
Defroster control

Ventilation and heating controls
Electrically actuated three position Fowler type flap controls
Manual cowl flap controls
Heated fuel vents
Alternate static air source
Heated pitot tube
Dual static air ports on both sides of fuselage

Electrical 28 Volt D.C. System

Two 100 Ampere alternators
Two 25 Ampere/hour batteries
Over-voltage regulators
External power receptacle
Electrical circuit protection

Internal Lights

Electroluminescent subpanel lighting
Instrument panel floodlighting in glareshield
Landing gear position lights
Flap position indicator lights
Trim tab position indicator lights
Pilot's and copilot's white control wheel map lights
Adjustable reading lights above all passenger seats
Entrance door and rear step courtesy lights and timer
Outside air temperature gauge light
Fuel tank selector lights

External Lights

One landing light in each engine nacelle
Taxi light on steerable nose landing gear
Wing tip and tail navigation lights
Wing ice light
Upper and lower streamlined white flashing beacons
Wing tip and tail strobe lights

Cabin

Ventilation blower
Fresh air ventilation system with six individual outlets
One piece windshield
Center location heated windshield segment
Pilot's openable storm window

Windshield and windows with ultraviolet protection

Windows tinted in light gray

Center club seating window openable for ground ventilation, has positive lock to prevent opening in flight, and may be used as emergency exit

Super soundproofing, with heavy windows

Glove compartment in instrument subpanel

Adjustable front seat sun visors

Cabin fire extinguisher*

*Warning - contains Halon substance which harms public health and environment by destroying ozone in the upper atmosphere

Large double doors for easy passenger boarding or cargo loading

Four coat hooks

Four cupholders

Extended aft baggage compartment with hanging clothes bar

Removable nylon shelf in aft baggage area

Removable nylon webbing in aft baggage area

Capable of cargo storage on aft cabin floor

Baggage restraint webs and 5th and 6th seat support straps

50,000 BTU combustion heater with hour meter

Pilot's relief tube

Seats And Interior Furnishings

Pilot's and copilot's seats with headrest, lumbar support, shared armrest, inertia reel shoulder harness with matching lap belt; four position cam lever seat back adjustment

Pilot's sidewall storage pocket

Club seating arrangement:

Aft facing 3rd and 4th seats with headrests, lumbar support, shared armrest, inertia reel shoulder harnesses with matching lap belts and four position cam lever seat back adjustment

Forward facing 5th and 6th seats with reading lights, air outlets, headrests, and inertia reel shoulder harnesses with matching lap belts

Executive writing desk on left side with Acajou Mahogany laminate

Seats and sidewalls available in standard leather colors at no additional cost

Horizontal trim panel with Acajou Mahogany wood or standard leather colors at no additional cost

Sidewall has been redesigned and transformed into a modern molded contour that provides maximum cabin width and more comfort

Loose Equipment

Aircraft model

One Telex Twinset headset (emergency backup)

Tow bar

Pitot tube cover

Intake airscoop covers

Gust lock assembly

Flight bag

Fuel tester and drain tool

Aircraft log book

Engine log book

Engine manuals

Propeller log book

Service and safety information materials

Avionics wiring diagrams

Avionics pilot guides

Passenger briefing cards

Pilot's Operating Handbook and FAA approved Airplane Flight Manual

Aft cabin cargo web

Touch-up paint kit

Electronic Publication System (REPS) including the following: maintenance library, service bulletin library

Additional Features

Radome Boot

194 gallon fuel tanks (total)

Exterior high solids urethane paint

Complete internal polyamide epoxy corrosion proofing

Quick removable fuel tank caps

Fuel sight gauge - each wing

Stainless steel cabin assist step

Nose baggage compartment lined with upholstery blanket and floor covering

Training Entitlement*

*Note: training entitlements expire within one year after delivery

One pilot, seven day course

Minimum prerequisites - Private Pilot Airplane license; Multiple Engine Land license

Preferred prerequisite - Instrument rating

General Standard Warranty*

*Standard warranty coverage is for "normal" use only. Not for fractional aircraft or high utilization operators

Factory manufactured parts - five years (no hours limit)

Systems and components (parts not manufactured by factory) - two years (no hours limit)

Exterior paint and interior finish items - two years (no hours limit)

Garmin avionics - two years (no hours limit)

Teledyne Continental Special Edition engines - 36 months or 1,000 hours (whichever occurs first, balance of remaining engine hours at time of delivery) [some components and accessories limited to one year]