



Airbus A321-100 (FT23)

Full-Flight Simulator

With our full-flight simulators we offer you a flight training that meets the latest technical standard and is tailor-made for the requirements of modern airlines. Naturally we adapt our simulators so that they reflect your fleet's systems environments and cockpit layouts as well as your airline's procedures. This enables you to orient your training to accord with your own line operations

Location

Lufthansa Aviation Training, Frankfurt (Simulator-ID: FT23)

Simulator

Simulator Manufacturer	CAE, Canada
In Service Date	July 1997
Aircraft Model	A321-100
Registration (Master Aircraft)	D-AIRN
Product No.	MSN 560
Simulator Host Computer	IBM P640
Motion System	Series 500, 6 DOF, digital
Control Loading	digital

Aircraft System

Engine Version	IAE V2530-A5, 30000 lbs T/O Thrust
Aerodynamic Data Revision	Aerospaiale D00204703
Auto Flight System	
FMGC	Thales Avionics/Smiths(Full GPS, Orig. a/c boxes) Level/Std.: Rel. 1A S7A112
FCU	M11, Thales Avionics Sa (Orig. a/c box)
FAC	CR102, Thales Avionics Sa (Software simulation)
MCDU	Thales Avionics/Smiths(Orig. a/c box)
Electronic Flight Control System	
ELAC	L93, Thales Avionics Sa (Orig. a/c boxes)
SEC	L123, Thales Avionics Sa (Orig. a/c boxes)
FCDC	L53, LITEF GmbH (Software simulation)

Electronic Instrument System

DMC V60, DIEHL AEROSPACE GmbH (Orig. a/c boxes)
FWC H2F7, Airbus France (Orig. a/c boxes)

TCAS II 7.1, Honeywell (Software simulation)
ACARS AMU MK I, Honeywell International Inc. (Orig. a/c box)
EGPWS MK V, Honeywell International Inc. (Orig. a/c box)
BSCU L4.9B Messier-Bugatti (Software simulation)

Visual

Visual System Manufacturer Rockwell Collins, England
Type of Image Generator EP-1000CT
Type of Display CAE 150x40 deg FOV mirror, "eyevis" LED Projectors ESP-LHD 1000 single chip DLP
Illumination Levels Day/Dusk/Night
Number of Airport Scenes more than 90

Instructor Station

Display X-Terminals, 2 CRTs with capacitive touch screen
Printer/Plotter Monochrome Laser Printer
Number of Malfunctions 300
Automated Training Lessons available on request for Base Check, Conversion, LOFT, Refresher
Landing Training Individual definition of a generic airfield (RWY Characteristics: Length, Width, parallel RWY; RWY Lights: VLA, Appr. Lights)
Multiple Weather Simulation Provides setting of individual weather conditions at different airports
Unusual Attitude Recovery Training available
Windshear / Microburst Scenarios various windshear profiles for T/O and Landing available
TCAS various scenarios with individual definition of intruder trajectory available
ATIS available
Datalink (AOC) various AOC scenarios available
FMS Flight Plan Copy / Load customized AOC applications on request
copy of entered flight plans and manual load of predefined flight plans on request
Debrief Station Video and audio recording, stored as media file on USB drive
Display Options metric and/or imperial

Options

Electronic Flight Bag Provision of Customer Options on request
EGPWC Lufthansa Class II EFB
NO RAAS available

Qualifications

German LBA JAA Level DG, annually, according to IQTG (ICAO Doc 9625 First Edition)
EASA-ID Zero Flight Time (Approved for Lufthansa)
DE-1A-018

Simulator Fleet

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