



Full-Flight Simulator

AIRBUS A320-200 (FT80)

Location Lufthansa Aviation Training, Munich (Simulator-ID: FT80)

SIMULATOR	
Simulator Manufacturer	CAE Electronics, Canada
In Service Date	16.03.2019
Aircraft Model	A320-214 / -232
Airbus Standard	2.0
Simulator Host Computer	Distributed Simulation Nodes (Compkit 3), Intel x64 architecture
Motion System	CAE MOOG 2nd generation 60" Electro Mechanical Motion (EMM)
Control Loading	digital
AIRCRAFT SYSTEM	
Engine Version	
Primary Fit	CFM56-5B4, 27000 lbf rating, level/Std. 5BTF3
Secondary Fit	IAE V2527-A5, level/Std. SCN22
Aerodynamic Data Revision	Natural Flight Loop, level/Std. V5.4.0, reference D00630301, Airbus France, Sim (rehosted)
Auto Flight System	
FMGC	Thales Release 1A (AP/FDTCAS option available), level/Std. S7APC16, reference P/N C13208AA05, Thales Avionics, Sim (rehosted)
FCU	THALES EMM, level/Std. 4, reference P/N C12850AC03, Thales Avionics, A/C LRU

MCDU	Honeywell, level/Std. V800, reference C19266EA01, HONEYWELL, Sim
Electronic Flight Control System	
ELAC	Thales Standard, STD L98H, S/W: 3945129110, Thales Avionics (sEFCS Retarget)
SEC	Thales Standard, STD 126, P/N B372CAM0104, Thales Avionics, (sEFCS Retarget)
FCDC	Litef Standard, STD 59, P/N 115370-1521, LITEF, (sEFCS Retarget)
FAC	THALES, ROPS function available, AA05, P/N C13206AA05, Thales Avionics (sEFCS Retarget)
SFCC	DIEHL AEROSPACE (software simulation), STD 11, 200301E00000308, DIEHL AEROSPACE, Sim
BSCU	L4.10 (software simulation), L4.10, P/N E21327107, Messier Bugatti, Sim
Electr. Instrument System	
DMC	EIS2 / S13.2, S13.2, P/N SXT4EXEESAX1320, Thales Avionics, Sim
FWC	H2-F9D, H2-F9D, P/N 350E053021818 Airbus France, Sim (EADS Software Package)
DU	Enhanced Display Unit, LCD, P/N C19755BA01, Thales Avionics, Sim
SDAC	H2-E4, H2-E4, P/N 350E5500206, Airbus France, Sim
ATSU	FANS B+ H/W A10, FANS B+ H/W A10, LA2T0G21006CA10, Airbus France, Sim
APU	GTCP 131-9A, AMDTSS19, P/N 3800708-1 AMDTSS19, HONEYWELLGARETT, Sim
ADIRU	BLOCK III BE04, OPS S/W Std, L4.4 (CAE software simulation), L4.4, P/N HG2030BE04, Honeywell, Sim
MMR	GLU 925 -430, 430, P/N 822-1821-430, Collins, Sim
EGPWC	Honeywell MKV-A, MKV-A, P/N 965-1676-006, Honeywell, Sim (rehosted)
LGCIU	Crane Enhanced LGCIU (CAE software simulation), P/N 80-178-03-88013, Crane Aerospace & Electronics, Sim
Standby instrument system	
TCAS II	Thales ISIS V2 (simulated instrument), EA01, P/N C16786EA01, Thales Avionics, Sim (replicated hardware)
TCAS II	Honeywell TPA100B (CAE software simulation), 7.1, P/N 940-0351-001, Honeywell, Sim
VISUAL	
Visual System Manufacturer	CAE Electronics
Type of Image Generator	CAE Tropos 6223, LED BARCO Projector FL35
Type of Display	CAE Wide Mirror 200x43 deg FOV, LCoS Projectors
Illumination Levels	Day/Dusk/Night/Dawn
Number of Airport Scenes	200

INSTRUCTOR STATION	
Display	2 24" LCD touch screens
Printer/Plotter	Color Laser Printer
Number of Malfunctions	> 200
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	available
Upset Prevention and Recovery Training (UPRT)	Available, scenario based training and IOS plots
Predictive Windshear Scenarios	various windshear profiles available
Non-Predictive Windshear Scenarios	various windshear profiles for T/O and Landing available
TCAS	various scenarios with individual definition of intruder trajectory available
ATIS	available
FMS Flight Plan Copy / Load	copy of entered flight plans and manual load of predefined flight plans on request
Debrief Station	CAE Debrief System
Display Options	metric and/or imperial
OPTIONS	
	Provision of Customer Options on request
QUALIFICATIONS	
German LBA	EASA CS-FSTD (A) Level D
EASA-ID	DE-1A-104