

Typhoon Flight Control Computer


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Catalogue Number	C0661
Categories	Flight Control
Location	Rack RAA01 [Main Store]
Object Type	Signal/Data Processor
Division	Unknown
Platform	Typhoon (Eurofighter/EFA)
Manufacturer	GEC Avionics/Aeritalia/Bodenseewerk/Inisel
Year of Manufacture	2000
Year of Manufacture Circa	Yes
Part No	49-153-01
Serial No	?
Dimensions	Width (mm): 124 Height (mm): 215 Depth (mm): 530 Weight (g): 7160
Inscription(s)	Flight Control Computer
Notes	Typhoon's quadruplex-redundant digital flight control system is a development of that in the active control technology (ACT) Jaguar FBW test bed, the first digital fly-by-wire aircraft to fly without mechanical backup controls. More recently the FCC is very similar to that flight proven on the EAP. The system has to withstand two critical failures. Typhoon has four identical flight control computers with no fewer than 13 control surfaces. These computers house the flight resident software which stabilises the aircraft artificially then enables the pilot to fly it. In addition, they house software for failure management, reversion logic, and built-in test.

Typhoon Flight Control System



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