

Certus 700 Hardware Comparison

Intellian C700 vs Cobham 4300 vs Thales VesseLINK

Comparison Table	Intellian C700	Cobham SAILOR 4300	Thales VesseLINK
Standard Data Speed	Up: 352 kbps Down: 704 kbps	Up: 176 kbps Down: 352 kbps	Up: 352 kbps Down: 704 kbps
Streaming Data Speed (when available - TBC)	Up to 256 kbps	Up to 128 kbps	Up to 256 kbps
Voice Calls	3 x Standard/HQ	3 x Standard/HQ	3 x Standard/HQ
Weight	7.3 kg (ADU) / 1.2 kg (BDU)	8 kg (ADU) / 3.2 kg (BDU)	2.8 kg (ADU) / 3.4 kg (BDU)
Operating Temp. range	-25 to +55°C	-25 to +55°C	-60 to +55°C
IP Rating	IP56 (ADU) / IP31 (BDU)	IPX6 (ADU) / IP31 (BDU)	IP67 (ADU) / IP31 (BDU)
Location tracking (IRIS)	No (No)	No (No)	Yes (Yes)
Firewall	Yes	No	Yes
Analogue Interface	2 (via single RJ14)	None	2 (via single RJ14)
LAN Interfaces	4 RJ45, 2 PoE Class 2.	4 RJ45, No PoE	3 RJ45, Class 2 PoE
WAN Interface	1 RJ45 (1 out of 4 RJ45, re-configurable)	None	1 RJ45 (fixed port)
GPIO (General-purpose input/output)	10 lines	1 I/O	15 pin (RS-232, +12V out, DISTRESS, Radio Gateway, GPIO)
Power over Ethernet (PoE)	Yes	No	Yes
VoIP Codec support	G711, G722, G723, G729, GSM	G 711	G 711
Soft PBX	16 x SIP + 2 x POTS (18 in total)	No	3 in / 3 out (mix of SIP & POTS); 'unlimited' number of telephone lines (extns)
Wi-Fi built-in	Yes	No	Yes
BCX location	ADU	ADU	BDU
Antenna Class	H2	H1	H2
Antenna Type	Conformal Patch (12 element)	Conformal Patch (7 element)	Planar Helix
ADU BDU Cable	100m (LMR-400); longer lengths achievable. NOTE: maximum 13.5 dB loss at 900 MHz and 1.3 Ohm DC loop)	100 m (RG214/U) NOTE: maximum 10 dB loss at 80 MHz and 1.8 Ohm DC loop)	Up to 100 m (LMR-900) NOTE: maximum 10 dB loss at 1625 MHz)
Antenna mount – These mounts can potentially* be re-used	<ul style="list-style-type: none"> FBB 500 versions B and later (outside 4 mounting holes in antenna base) FleetOne, FBB 150, and FBB 250 (inside 4 mounting holes of antenna base) 	<ul style="list-style-type: none"> Not compatible with other bolt patterns such as FBB or FleetOne. 	<ul style="list-style-type: none"> FBB 500 versions B and later (outside 4 mounting holes in antenna base) FleetOne, FBB 150, and FBB 250 (inside 4 mounting holes of antenna base)
Antenna cables – These cables can potentially* be re-used	<ul style="list-style-type: none"> FBB Power Cables 	<ul style="list-style-type: none"> FBB Power Cables 	<ul style="list-style-type: none"> FBB Power Cables

* dependant on quality, condition, length and type of existing mounts/cables; no guarantee can be made they are re-useable, and the responsibility would lie with the end user and/or the installer.