

<u>ASSEMBLER FEATURES</u>	<u>ZEAP 1.1</u>	<u>ZEAP 2.0</u>	<u>ZEN</u>	<u>V & T</u>
Does it work?	Yes	Yes	Yes	Yes
Error handling	All lines in error displayed	All lines in error displayed	Stops on first error	Displays all errors.
Pseudo-ops	Only some object code displayed for DEFB, DEFW, DEFB.	Better than ZEAP 1.1 but only first four bytes displayed.	Excellent, all codes displayed. Non-standard.	Standard Pseudo ops.
Hex numbers	Must have & prefix	& prefix or H suffix	H suffix, also Octal.	Hex is the default, decimal numbers have a decimal point.
Arithmetic operators	+ -	+ -	All four arithmetic plus OR, AND logical operators	+ -
Listing	VDU or printer	VDU or printer	VDU or printer	VDU only.
Symbol table	No	Yes, sorted and includes line number reference	Yes, sorted by first letter only.	No
Cross reference table	No	No	No	No
Object code destination.	Nowhere/memory/ memory displaced/ tape.	Nowhere/memory/ memory displaced/ tape.	Nowhere/memory/ memory displaced/ tape.	Memory, actual location only - but see above for relocating feature.
Speed	Rather slow - 10 mins to generate 2K	Pre-release copy as Zeap 1.1. Sigma working on speeding it up.	Fast - 4000 lines a minute claimed.	Fast.