

## SW BOM ITPM

Company	Component	Producer	Code Size	Cost	Cost	System	Notes	redesign	(person)
Synful	Boot ldr & HWcfg	In House	6k		2	y	Built into system ROM	New ldr for new Arch	2
Synful	Sys: Kernel	In House/ HB/OS	8k		8	y	needed in ROM	if ARCH changes recompile ALL	6
Synful	SYS: Libraries	In House/ HB/OS	8k			y	needed in ROM	if ARCH changes recompile ALL	4
Synful	SYS: Drivers	In House/ HB/OS	4k			y	needed in ROM	new/ changed hw	2
Synful	SYS: Extensions	In House/ HB/OS	64k		2	n	DISK	new/ changed features	3
Synful	SYS: GameSnd	In House/ HB/OS	128k		2	n	DISK	New sound hw	2
Synful	SYS: Graphics	In House/ HB/OS	128k		4	n	DISK	New GFX HW	2
	hyperbasic								
Synful	BAS: Kernel	In House/ HB OS	8k		8	y	needed in ROM	if ARCH changes recompile ALL	4
Synful	BAS: core lib&/O	In House/ HB OS	8k			y	needed in ROM	if ARCH changes recompile ALL	4
Synful	BAS: fs libs	In House/ HB OS	4k		2	y	can be ROM or DISK	fs options. E.g. FAT	2
Synful	BAS: Toolkit	In House/ HB OS	16k		4	n	can be ROM or DISK	Basic utils FMT, Edit, etc.	2
Synful	BAS: Examples	In House/ HB OS	480k		2	n	DISK zip archive of files	Should not need updating	1
Synful	BAS: Wrappers	In House/ HB OS	240k		4	n	in zip archive above	Wrappers around OS funcs	2
Synful	BAS: GDK	In House/ HB OS	450k		4	n	DISK (cost £125 per disk - games dev kit)	needs changes if gfx chip changes	1
Synful	BAS: GUI	In House/ HB OS	800k		8	n	DISK (cost £75 per set)	PTR/E GUI env	4
Synful	BAS: DOS tools	In House/ HB OS	600k		4	n	DISK (cost £25 per disk) zip on cartridge	DOS look & feel	4
	emulators								
Synful	Emulator	In House	64KB		6	n	DISK (> 200k inc. machine img & 5 games)	Syntrum em for Synputer(£50/copy)	2
Synful	OGRE96	In House	148KB		4	n	Cartridge - £50/cartridge inc img & 10 games	Old Game Replay Engine NEW ARCH	4
EZ-SYS	EZ-Suite	3rd party	520KB		10	n	DISK - bundled - £25 per machine license	Mod if OS/ ARCH change	8
EZ-SYS	HBConv	3rd party	128KB		8	n	converts telebasic to HB prgs	Licensed - £55 per copy	1
EZ-SYS	HB96 Compiler	3rd party	500KB		10	n	compiles HB prgs into BIN files	licensed £99 per copy - from 1996	4
	Micro Computer Consultants - MCCOS								
MCC	McROM	bt ldr, knlcfg, debug	8KB		2	y	Needed in ROM - alt to std bldr	Only reqd for full BSD system - £25	2
MCC	Boot Disk Env	3rd party	616KB		6	y	Not ROM - distro is £99 per set - distro cost	2.8BSD based - new Arch only	2
MCC	Libraries	3rd party	616KB			y	Not ROMable - Arch dependent	2.8BSD based - new Arch only	2
MCC	Drivers	3rd party	616KB			y	Not ROMable - Arch dependent	2.8BSD based - new Arch only	2
MCC	Extensions	3rd party	616KB		4	n	Not ROMable - Arch dependent	2.8BSD based - new Arch only	2
MCC	Sound & utils	3rd party	948KB		4	n	Not ROMable - Arch dependent - 2 disks zipped	2.8BSD based - new Arch only	2
MCC	Graphics & utils	3rd party	948KB		3	n	Not ROMable - Arch dependent - 2 disks zipped	2.8BSD based - new Arch only	3
MCC	Src Code & Docs	3rd party	948KB			n	Not ROMable - independent - 2 disks zipped	2.8BSD based - change on new release	2
MCC	PRG: Langs, etc	Select Lang, etc	500KB		4	n	Not ROMable - Arch dependent - bztar	£50 per disk pack - distro cost only	
MCC	X-Windows	Libs, utils, etc.	2 MB		8	n	Not ROMable - Arch dependent - bztar	£150 per disk pack - distro cost only	
	Logic Research International (LRI)	CPM68k							
LRI	CPM+BIOS	3rd party	16KB		4	y	alt to IH code - replaces in ROM	if ARCH changes recompile ALL	4
LRI	Libs & CLI	3rd party	472KB			y	Not ROMable - on DISK	if ARCH changes recompile ALL	4
LRI	68kBASIC	3rd party	16KB		4	y	alt to IH code - replaces in ROM	if ARCH changes recompile ALL	4
LRI	Ext Drivers	3rd party	628KB			n	DISK set reqd - £45 per machine license	HW changes	2
LRI	Core Utils	3rd party	512KB			n	DISK set reqd - inc in license	if ARCH changes recompile ALL	2
LRI	CPMReady	3rd party	600KB		2	n	CP/M-80 Emulator - £45 license	if ARCH changes recompile ALL	2
	GEM								
LRI	GEM GFX & Libs	3rd party	32KB		12	n	ROM - needs 32KB CPM-68k v2 ROM as well	GUI opts only - change with gfx chip	4
LRI	GEM Env & Apps	3rd party	1512KB			n	DISK set reqd - £99 per machine	GUI opts only - change with gfx chip	6
	PROGRAMMING								
LRI	PRG: BASIC Exts	3rd party	464KB		4	n	all 68kBASIC part of disk set	should not require changes	1
LRI	PRG: Libs	3rd party	628KB			n	all 68kBASIC part of disk set	if ARCH changes recompile ALL	4
LRI	PRG: Drivers	3rd party	628KB			n	all 68kBASIC part of disk set	hw changes	2
LRI	PRG: toolkit	3rd party	628KB			n	all 68kBASIC part of disk set	if ARCH changes recompile ALL	4
LRI	PRG: Egs & utils	3rd party	628KB		2	n	£150 per disk set license per machine	should not require changes	1
LRI	PRG: GDK	3rd party	1628KB		2	n	£150 per disk license per machine - game de	only if GFX change	2
Capacities		Unformatted	Formatted	cost					
Floppy		1M	720KB	\$5					
Cartridge		300KB	160KB	\$2					
Unix license	\$10,000 per CPU								
BSD copy license	\$250 - \$500 per vendor	assumes you have license							