PUMPKIN ™
INCORPORATED

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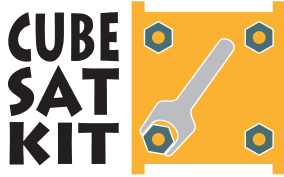
Salvo ™
The RTOS that runs in tiny places.™

Part Number	Category	MSRP $
Software Products [2] – Salvo RTOS		
709-00239	Salvo Lite for 8051 family	free download
709-00206	Salvo LE for 8051 family	750.00
709-00204	Salvo Pro for 8051 family	1,250.00
709-00232	Salvo Lite for ARClite™ microRISC	free download
709-00233	Salvo LE for ARClite™ microRISC	1,000.00
709-00234	Salvo Pro for ARClite™ microRISC	1,500.00
709-00308	Salvo Lite for ARM®	free download
709-00309	Salvo LE for ARM®	750.00
709-00310	Salvo Pro for ARM®	1,250.00
709-00232	Salvo Lite for AVR and MegaAVR	free download
709-00233	Salvo LE for AVR and MegaAVR	750.00
709-00234	Salvo Pro for AVR and MegaAVR	1,250.00
709-00218	Salvo Lite for M68HCxx	free download
709-00219	Salvo LE for M68HCxx	750.00
709-00220	Salvo Pro for M68HCxx	1,250.00
709-00240	Salvo Lite for TI's MSP430	free download
709-00216	Salvo LE for TI's MSP430	750.00
709-00217	Salvo Pro for TI's MSP430	1,250.00
709-00198	Salvo Lite for PICmicro® MCUs	free download
709-00207	Salvo LE for PICmicro® MCUs	750.00
709-00199	Salvo Pro for PICmicro® MCUs	1,250.00
709-00224	Salvo Lite for TI's TMS320C2000 DSPs	free download
709-00225	Salvo LE for TI's TMS320C2000 DSPs	750.00
709-00226	Salvo Pro for TI's TMS320C2000 DSPs	1,250.00
Software Products – Salvo Upgrades and Renewals		
713-00210	Salvo LE Renewal	300.00
713-00211	Salvo Pro Renewal	500.00
712-00209	Salvo LE-to-Pro Upgrade	500.00

Part Number	Category	MSRP $
Hardware Products - Miscellaneous		
711-00203	PIC17C75X Protoboard	395.00

Notes:

1. All prices are in US $ and are subject to change without notice. Taxes, fees, customs, shipping, export, certification and other charges are not included.

2. Prices shown are for single-user Salvo licenses. For group / site / corporate licensing, please contact Pumpkin directly.

Complete CubeSat Kits

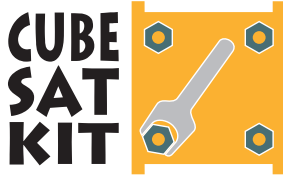| Part Number	Category	MSRP $
	Hardware Products – Complete CubeSat Kits [2]	
711-00279	CubeSat Kit – solid-wall, ½ U	5,000.00
711-00227	CubeSat Kit – solid-wall, 1 U	5,000.00
711-00280	CubeSat Kit – solid-wall, 1½ U	5,500.00
711-00241	CubeSat Kit – solid-wall, 2 U	5,650.00
711-00242	CubeSat Kit – solid-wall, 3 U	6,250.00
711-00281	CubeSat Kit – skeletonized, ½ U	5,000.00
711-00282	CubeSat Kit – skeletonized, 1 U	5,000.00
711-00283	CubeSat Kit – skeletonized, 1½ U	5,500.00
711-00284	CubeSat Kit – skeletonized, 2 U	5,650.00
711-00285	CubeSat Kit – skeletonized, 3 U	6,250.00

A complete CubeSat Kit contains:

- A complete CubeSat mechanical structure (Flight Model), consisting of a Chassis Wall Assembly (in ½U, 1U, 1½U, 2U or 3U size), a Base Plate Assembly and a Cover Plate Assembly. Each kit contains either solid-wall or skeletonized versions of these assemblies.
- A CubeSat Kit Development Board for in-lab development, debugging and testing.
- A CubeSat Kit FM430 Flight Module for use in the CubeSat Kit Flight Model.
- An external universal +5Vdc switching power supply [3].
- An MSP430 Flash Emulation Tool and FM430 programming adapter.
- A USB cable.
- CubeSat Kit and Salvo RTOS software on CD-ROM [5].
- A Remove-Before-Flight Pin and lanyard.
- Miscellaneous fasteners / mounting hardware.
- A printed User Manual and other documentation.

The purchase of a CubeSat Kit entitles the end-user to direct technical support for hardware and software issues involving the CubeSat Kit for a period of one year.

For more information please visit http://www.cubesatkit.com/

CubeSat Kit Components & Accessories

Part Number	Category	MSRP $
	Hardware Products – CubeSat Kit Components [4]	
703-00286	Chassis Walls Assembly – solid-wall, ½ U	750.00
703-00243	Chassis Walls Assembly – solid-wall, 1 U	750.00
703-00287	Chassis Walls Assembly – solid-wall, 1½ U	1,250.00
703-00244	Chassis Walls Assembly – solid-wall, 2 U	1,400.00
703-00245	Chassis Walls Assembly – solid-wall, 3 U	2,000.00
703-00288	Chassis Walls Assembly – skeletonized, ½ U	750.00
703-00289	Chassis Walls Assembly – skeletonized, 1 U	750.00
703-00290	Chassis Walls Assembly – skeletonized, 1½ U	1,250.00
703-00291	Chassis Walls Assembly – skeletonized, 2 U	1,400.00
703-00292	Chassis Walls Assembly – skeletonized, 3 U	2,000.00
710-00293	Base Plate Assembly – solid-wall	325.00
710-00294	Base Plate Assembly – skeletonized	325.00
710-00295	Cover Plate Assembly – solid-wall	275.00
710-00296	Cover Plate Assembly – skeletonized	275.00
710-00300	Remove-Before-Flight Pin	25.00
709-00332	CubeSat Kit Software [5]	4,250.00
710-00297	Development Board	1,000.00
632-00298	External Power Supply [3]	50.00
634-00334	FM430 Programming adapter [8]	25.00
633-00299	MSP430 Flash Emulation Tool [7]	125.00
710-00252	FM430 Flight Module	1,200.00
	Hardware Products – CubeSat Kit Modules	
711-00338	Linear EPS Module	345.00
	Hardware Products – CubeSat Kit Accessories	
711-00303	Protoboard Kit	65.00
711-00320	Flight Module Mockup	100.00
711-00330	Remove-Before-Flight Bracket Kit	125.00
711-00331	Midplane Standoff Kit	125.00
711-00333	RocketPod™ Adapter Kit	250.00
711-00335	FM430 Remote Mount Kit	175.00
711-00346	Solar Panel Clips Set	450.00
711-00307	MaxStream Serial Adapter Kit	45.00
634-00311	Microhard MHX-910 Devel. Platform	1,640.00
634-00312	Microhard MHX-920 Devel. Platform	1,995.00
634-00302	Microhard MHX-2400 Devel. Platform	1,795.00

Notes:

1. All prices are in US $ and are subject to change without notice. Taxes, fees, customs, shipping, export, certification and other charges are not included.

2. CubeSat Kit sizes: ½/1/1½/2/3 U correspond to 5/10/15/20/30cm x 10cm x 10cm CubeSat bodies, respectively.

3. Supplied with a USA-specific IEC power cord to US customers. No IEC power cord is supplied to international customers. Power supply is 100-240VAC, 50-60Hz.

4. Availability of individual components is subject to stock on hand. Please contact Pumpkin for details.

5. CubeSat Kit software includes CubeSat-specific code modules and projects, and an unlimited-user license of Salvo Pro for TI's MSP430 for exclusive use on the CubeSat Kit.

6. Minor CubeSat Kit components (e.g. M3 fasteners, feet) are not listed – please contact Pumpkin for your specific needs and pricing.

7. The supplied Flash Emulation Tool (MSP430FET) is used when debugging and programming the MSP430 microcontroller on the CubeSat Kit's Development Board and FM430 Flight Module. It requires a PC and a fully-functional parallel (LPT) port. Users without a PC parallel port should purchase a USB-based MSP430 FET that is compatible with their MSP430 development environment.

8. This adapter provides a standard 2x7 0.100" grid header for use with MSP430 FETs.