

Allen-Bradley vs. Opto22 SNAP price comparison (page 1 of 2)

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							Native Protocols Programmable Protocols										
		Processor		RAM	RS-232 port	Ethernet Port	continuous tasks	Rack Mount?	TCP/IP Sockets	Ethernet/IP	Modbus TCP	SNMP	SMTP	FTP	DF1		
Opto22	SNAP-PAC-R2	GPP RISC 32-bit MCF5475ZP200	200MHz	316 MIPS	32MB	1	2 up to 16	Y								\$865	
	SNAP-PAC-S1	GPP RISC 32-bit MCF5475ZP266	266MHz	410 MIPS	32MB	1	2 up to 32	N								\$1195	
AB		Custom 32-bit (ASIC) PHILIPS, Most likely RISC ARMv4 based					1	n/a	1								\$2300-6000*
	ControlLogix 1756-Lx	VY21754A - MCU	208MHz?	~200 MIPS	750Kb-8MB*												
		VY21422E - backplane controller															
		1756-ENBT Ethernet Module															\$1500
	MicroLogix 1500	no data					1										
	CompactLogix	no data					1										

For comparison: Intel Core i7 Extreme 965EE 76,383 MIPS at 3.2 GHz

I/O Subsystems

Opto22	Rack	SNAP 4,8,12,16* Module Rack	\$60-161*
	SNAP-PS5	Power Supply	\$200
AB	1756-Ax	4,7,10,13,17 BackPlane	\$200-550
	1756-Pxxx	Power Supply	\$575-675

Inputs

Opto22	SNAP-IDC5	Digital Input 4pt	\$42	\$10.5/pt
	SNAP-IDC-16	Digital Input 16pt	\$182	\$11.4/pt
	SNAP-HD-ACF6	with Wiring harness	\$120	\$18.9/pt
	SNAP-IDC-32	Digital Input 32pt	\$182	\$5.7/pt
	SNAP-IDC-HDB	Fused breakout rack w cable	\$249	\$13.5/pt
	SNAP-HD-CBF6	Wiring harness	\$105	\$9/pt
AB	1756-IB16	Digital Input 16pt	\$250	\$15.6/pt
	1756-IB32	Digital Input 32pt	\$275	\$8.6/pt

Outputs

Opto22	SNAP-ODC5	Digital Output 4pt	\$42	\$10.5/pt
	SNAP-ODC-32	Digital Output 32pt	\$252	\$7.9/pt
	SNAP-ODC-HDB	Fused breakout rack w cable	\$319	\$17.8/pt
	SNAP-HD-CBF6	Wiring harness	\$105	\$11.2/pt
AB	1756-OB16I	Digital Output 16pt	\$390	\$24.4/pt
	1756-OB32	Digital Output 32pt	\$500	\$15.6/pt

RS-232 Modules

Opto22	SNAP-SCM-232	2-Ch RS-232	\$295	\$147.5/ch
AB	1756-MVix3RS	3-Ch RS-232	\$800-1000	\$267-333/ch
Lantronix	UDS-1100	1-Ch RS-232	\$100	\$100/ch

Continue on the next page

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Comparison of entry level systems:

1 Processor, 1 Ethernet, 3 or 4 RS-232 ports, 64-inputs, 64-outputs, wiring ready

Typical application: Error-proofing station(s) with pick light/light curtain functions, barcode reader(s) input

			Qty/price	Total
AB	1756-L55M12	ControlLogix 750Kb	1 x \$2300	\$2,300.00
	1756-A7	7-slot BackPlane	1 x \$315	\$315.00
	1756-PA72	85-265 VAC Input-Output 5VDC10A	1 x \$575	\$575.00
	1756-ENBT	Ethernet Module	1 x \$1500	\$1,500.00
	1756-IB32	Digital Input 32pt	2 x \$275	\$550.00
	1756-OB32	Digital Output 32pt	2 x \$500	\$1,000.00
	1756-MVix3RS	3-Ch RS-232	1 x \$800	\$800.00
				\$7,040.00
Opto22	SNAP-PAC-R2	200MHz 32MB	1 x \$865	\$865.00
	SNAP-PAC-RCK4	SNAP PAC 4-Module Rack	1 x \$125	\$125.00
	SNAP-PS5	Power Supply	1 x \$200	\$200.00
	SNAP-IDC-32	Digital Input 32pt	2 x \$182	\$364.00
	SNAP-HD-CBF6	Wiring harness	2 x \$105	\$210.00
	SNAP-ODC-32	Digital Output 32pt	2 x \$252	\$504.00
	SNAP-HD-CBF6	Wiring harness	2 x \$105	\$210.00
	SNAP-SCM-232	2-Ch RS-232	1 X 295	\$295.00
				\$2,773.00

Note! AB prices are NOT retail, (40-80% discount included)