



CiSCO CEMS PLC and Panel Updates

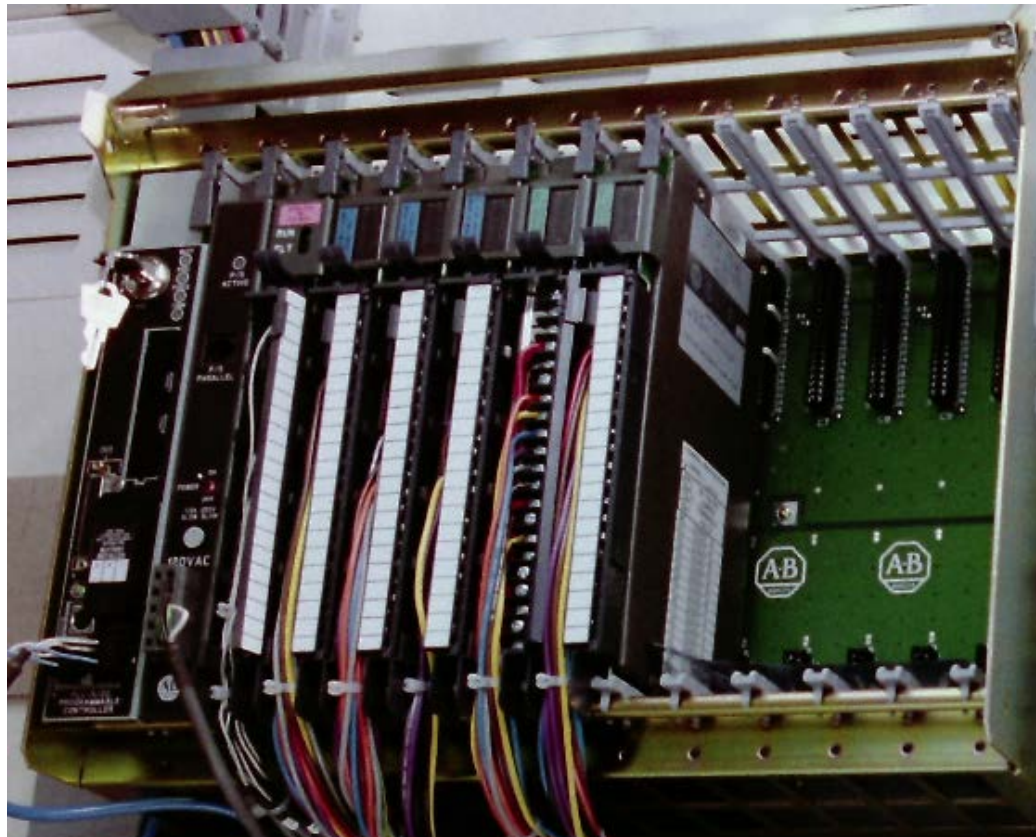
CISCO PLC History

Siemens S5 PLC



CISCO PLC History

Allen Bradley PLC5



CISCO PLC History

Allen Bradley SLC5



CISCO PLC History

GE Fanuc 90-30



CISCO PLC History

Allen Bradley ControlLogix



CISCO PLC History

Allen Bradley CompactLogix



CISCO PLC History

GE RX3I



CISCO PLC History

Old Versus New

Memory

Difference Apples to Oranges:

Old not more than 32K

New 1.5 to 2.0 Meg

That's a difference of 1968K

CISCO PLC History

Old Versus New

<u>Price:</u>	<u>SLC Parts</u>	<u>CPLX Parts</u>	<u>CTLX Parts</u>
Power Supply	\$2,180	\$531	\$1,110
Chassis	\$1,470	N/A	\$755
8 AI	\$2,460	\$913	\$1,300
16 DI	\$606	\$283	\$440
Total	\$4,899	\$1,727	\$3,605
Difference	---	35%	74%

CISCO PLC History

Old Versus New

Old created for CFR60 – New created to include CFR75

Biggest difference:

Calibration and Linearity injection times

Calibration Drift Correction and Linearities

CISCO PLC History

Old Versus New

Calibration injection times:

<u>Older SLC</u>	<u>Newer SLC</u>	<u>Newest Logix</u>
Start Time	Zero Start Time	Zero Start Time
---	---	Zero End Time
---	Span Start Time	Span Start Time
---	---	Span End Time

CISCO Panel History

CISCO Manufactured Button Panel



CISCO Panel History

Maple OIT5400



CISCO Panel History

Panel View 550



CISCO Panel History

Maple HMI520 and HMI5070



CISCO Panel History

Panel View Plus 600



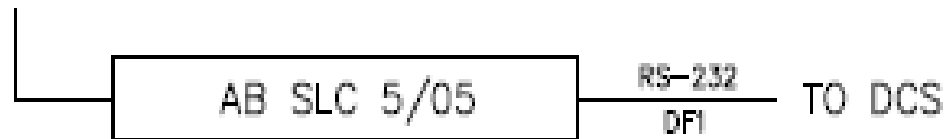
CISCO Panel History

Automation Direct



CISCO DCS Serial Connections

No serial ports on new PLC equipment.



CISCO PLC & Panel History

Questions?

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