

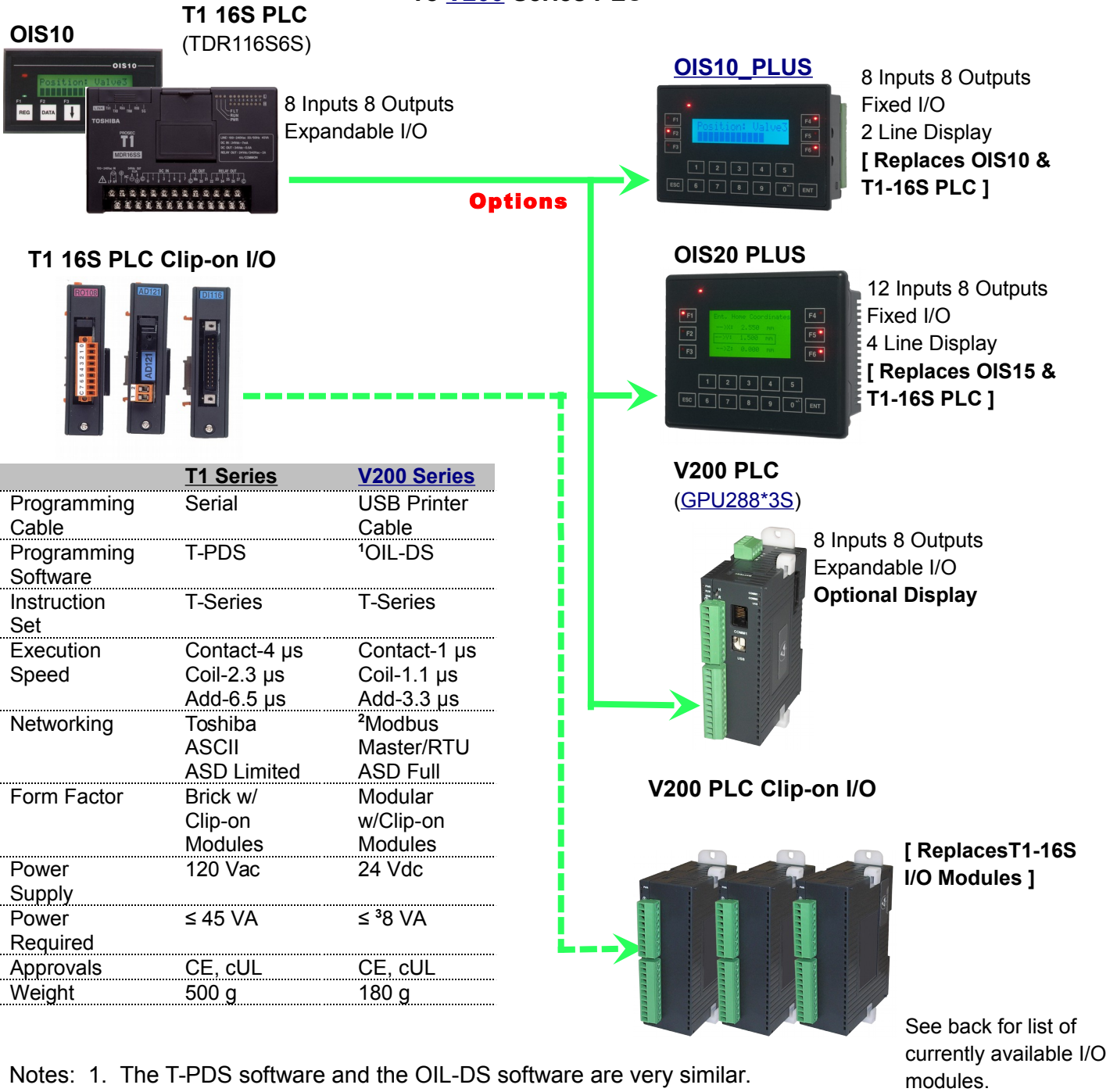
TOSHIBA

Leading Innovation >>>

Programmable Logic Controllers

T1-16S PLC Migration

To V200 Series PLC



	T1 Series	V200 Series
Programming Cable	Serial	USB Printer Cable
Programming Software	T-PDS	¹ OIL-DS
Instruction Set	T-Series	T-Series
Execution Speed	Contact-4 µs Coil-2.3 µs Add-6.5 µs	Contact-1 µs Coil-1.1 µs Add-3.3 µs
Networking	Toshiba ASCII ASD Limited	² Modbus Master/RTU ASD Full
Form Factor	Brick w/ Clip-on Modules	Modular w/Clip-on Modules
Power Supply	120 Vac	24 Vdc
Power Required	≤ 45 VA	≤ ³ 8 VA
Approvals	CE, cUL	CE, cUL
Weight	500 g	180 g

- Notes:
- The T-PDS software and the OIL-DS software are very similar. Both use the T-Series instruction set.
 - A Modbus Ethernet TCP/IP CPU module is also available (GPU200*3S).
 - I/O modules also require a 24 Vdc power source.
 - T1-40S PLCs also migrate to the V200 Series.

See back for list of currently available I/O modules.

Instruction Set

Like the T1 Series, Toshiba's V200 Series PLCs are small type controllers suitable for both simple relay replacement and complex control applications. The instruction set includes:

◆ Double Length Math	◆ Indirect Addressing	◆ PID
◆ Floating Point Math	◆ For-Next Loops	◆ Comparisons
◆ Filters, Avgs, & Limits	◆ Subroutine Call	◆ Step Sequencer
◆ Conv; Hex↔Bin↔ASCII	◆ Logic Operations	◆ Interrupt Enable
◆ Function Generator	◆ Jump	◆ Log/AntiLog

PLC Order Numbers

TIC_NO	DESCRIPTION
	CPUs
GPU288*3S	V200 CPU, 8 Inputs 24 Vdc, 2 Outputs 24 Vdc Transistor, 6 Outputs Relay, Requires 24 Vdc PS.
GPU200*3S	V200 CPU, Ethernet & USB Port, Requires 24 Vdc PS.
	I/O Modules
GDI216**S	16 Inputs, 24 Vdc, 8p/com, sink/source
GDR288**S	8 Inputs, 24 Vdc. 4p/com, 8 Outputs Relay, 4p/com
GDD288P*S	8 Inputs, 24 Vdc. 4p/com, 8 Outputs PNP, 4p/com
GDD288*S	8 Inputs, 24 Vdc. 4p/com, 8 Outputs NPN, 4p/com
GRO216**S	16 Outputs Relay, 8p/com
GDO216P*S	16 Outputs, 24 Vdc Transistor, 8p/com, PNP
GDO216*S	16 Outputs, 24 Vdc Transistor, 8p/com, NPN
	Analog Modules
GAD208L*S	8 Analog Inputs, 4-20 mA, 0-10 Vdc (12 bit)
GAA242**S	4 Analog Selectable Inputs, 4-20 ma, 0-10 Vdc, 0-50/100 mV, RTD, TC -- 2 Analog Outputs, 4-20 mA, 0-10 Vdc.
GDA204**S	4 Analog Outputs, 4-20 ma, 0-10 Vdc.

- Notes: 1. More analog and communications modules under development.
2. See OIS PLUS flyer for OIS PLUS part numbers.

PLCs ADJUSTABLE SPEED DRIVES MOTORS CONTROLS UPS INSTRUMENTATION

TOSHIBA

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