

# DO-MORE! H2 SERIES PLC OVERVIEW

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# CHAPTER 2

In This Chapter...

Do-more H2 Series PLC Overview.....	2-2
Do-more/DL205 System Compatibility .....	2-3
Communications .....	2-4

# Do-more H2 Series PLC Overview

The Do-more H2 Series PLC is the first PLC series that we introduce to you as a part of the Do-more PLC family. The Do-more H2 Series PLC utilizes most of the modules that we have been selling as the DL205 PLC. You just need to install a Do-more H2 Series CPU module into the DL205 base unit. However, the specifications of the Do-more H2 Series PLC are very different from the DL205 PLC. This overview covers the key features of the Do-more H2 Series PLC.



Do-more H2 CPU Module

DL205 PLC base unit and I/O modules

The Do-more H2 Series PLC is designed around a new control engine with a new, advanced Do-more Instruction Set for ladder programs. The new Do-more Designer software, with advanced programming and monitoring features, will be used to create your new programs.



**NOTE:** Because the Do-more PLC supports a new instruction set and new memory addressing for ladder programming, the user project made for the DL205 PLC CANNOT be used in the Do-more PLC. The DL205 user project needs to be recreated from scratch for the Do-more PLC.

### Do-more/DL205 System Compatibility

The following table lists DL205 components that are supported by the H2-DM1 and H2-DM1E Do-more CPUs.

✔ :Supported    No: Not Supported

System Compatibility Table						
Module	Part Number	Status	Module	Part Number	Status	
Base Units	D2-03B-1	✔	Analog I/O Modules	F2-04AD-1	✔	
	D2-04B-1	✔		F2-04AD-2	✔	
	D2-06B-1	✔		F2-08AD-1	✔	
	D2-09B-1	✔		F2-08AD-2	✔	
	D2-03BDC1-1	✔		F2-04RTD	✔	
	D2-04BDC1-1	✔		F2-04THM	✔	
	D2-06BDC1-1	✔		F2-02DA-1(L)	✔	
	D2-09BDC1-1	✔		F2-02DA-2(L)	✔	
	D2-06BDC2-1	✔		F2-02DAS-1	✔	
	D2-09BDC2-1	✔		F2-02DAS-2	✔	
Discrete I/O Modules	D2-08ND3	✔	Local Expansion Modules	F2-08DA-1	✔	
	D2-16ND3-2	✔		F2-08DA-2	✔	
	D2-32ND3	✔		F2-4AD2DA	✔	
	D2-32ND3-2	✔		F2-8AD4DA-1	✔	
	D2-08NA-1	✔		F2-8AD4DA-2	✔	
	D2-08NA-2	✔		D2-CM	No	
	D2-16NA	✔	D2-EM	No		
	D2-04TD1	✔	Specialty Modules	H2-ERM(100)	✔	
	D2-08TD1	✔		H2-ERM-F	✔	
	D2-08TD2	✔		D2-RMSM	No	
	D2-16TD1-2	✔		D2-RSSS	No	
	D2-16TD2-2	✔		H2-ECOM100	✔	
	F2-16TD1P	✔		H2-ECOM-F	✔	
	F2-16TD2P	✔		D2-DCM	No	
	D2-32TD1	✔		H2-EBC100	✔	
	D2-32TD2	✔		H2-EBC-F	✔	
	D2-08TA	✔		H2-SERIO	✔	
	F2-08TA	✔		H2-SERIO-4	✔	
	D2-12TA	✔		F2-CP128	No	
	D2-04TRS	✔		H2-CTRIO	✔	
	D2-08TR	✔		H2-CTRIO2	✔	
	F2-08TR	✔		D2-CTRINT	No	
	F2-08TRS	✔		F2-08SIM	✔	
	D2-12TR	✔		Programmer	D2-HPP	No
	D2-08CDR	✔		Operator Interface	DV-1000	No

## Chapter 2: Do-more PLC Hardware Overview

### Communications

The Do-more H2 Series PLC supports many communication protocols. The following table shows which CPU module communications port or specialty module supports each protocol.

Protocols	CPU Modules			Specialty Modules			
	H2-DM1 / H2-DM1E		H2-DM1E	H2-ECOM100	H2-ECOM-F	H2-SERIO H2-SERIO-4	H2-ERM(100) H2-ERM-F
	USB Port	RS-232 Serial Port	Ethernet Port				
Do-more Designer Programming	Yes	Yes	Yes	Yes		Yes	
Ethernet/IP			Yes				
Modbus/RTU Client (Master)		Yes				Yes	
Modbus/RTU Server (Slave)		Yes				Yes	
Modbus/TCP Client (Master)			Yes	Yes			
Modbus/TCP Server (Slave)			Yes	Yes			
DirectLOGIC RX/WX Client (Master)			Yes	Yes	Yes		
DirectLOGIC RX/WX Server (Slave)			Yes	Yes	Yes		
K-Sequence Server (Slave)		Yes		Yes	Yes	Yes	
DirectNET Server (Slave)				Yes	Yes		
HEI Ethernet Remote I/O Master			Yes				Yes
SMTP (Email) Client w/ Authentication			Yes				
Simple Network Time Protocol (SNTP) Client			Yes				
Do-more/PEERLINK			Yes				
Do-more Time Synchronization Protocol (Client, Server, Alternate Client)			Yes				
Do-more Logger/UDP			Yes				
Serial ad-hoc ASCII/Binary Programatic Control		Yes				Yes	
UDP ad-hoc Programmatic Control			Yes				
TCP Client Programmatic Control			Yes				
TCP Server Programmatic Control			Yes				

Blank: Not Supported