

# Do-more H2 Series PLC Overview

## Comparison with the DL205 PLC

The following spec table shows the major differences between the Do-more H2 Series PLC and the DL205 PLC.

	Do-more H2 Series PLC	DL205 PLC
<b>Instruction Set</b>	Do-more PLC instruction set	DirectLOGIC PLC instruction set
<b>Total Memory Bytes</b>	262.1K	30.4K
<b>Default Data Type</b>	Decimal and Real (Data can be referred in different data types with the 'Casting' feature.)	BCD, HEX and Real
<b>Memory Addressing</b>	Decimal mainly (There are some octal memory addresses to exchange data with DirectLOGIC PLCs easily.)	Octal
<b>User-defined Memory Addresses</b>	Yes	No
<b>Bit of Memory</b>	Available for all memory addresses (e.g. V100.2, D200.3)	Yes, <a href="#">D2-250-1</a> and <a href="#">D2-262</a> only
<b>Array Addressing</b>	Available for all memory addresses (e.g. X[V100], D[V200])	Available only for V-memory addresses (e.g. P2000)
<b>Math Calculation</b>	No accumulator, the MATH instruction can support a mix of different data types.	Using accumulator or using the MATHBCD, MATHBIN or MATHR instruction for each data type.
<b>Number of Code Blocks</b>	1 system program 6 system tasks Up to 256 user programs Up to 256 user tasks	1
<b>Looping</b>	FOR-NEXT, WHILE-WEND, REPEAT-UNTIL	FOR-NEXT
<b>Subroutines</b>	No (Use Code-blocks)	Yes
<b>User Document (Nicknames, Rung Comments...) Storing</b>	Stored in the CPU module	No (Stored on PC only)
<b>Password Protection</b>	Multiple passwords	Single password
<b>Run-time Editing</b>	Bumpless	Ladder program execution is paused during the ladder program transfer in RUN mode.
<b>Analog I/O Configuration</b>	The X, WX and WY addresses are assigned to analog I/O channels automatically. (Manual addressing is available also.)	Configured by ladder program
<b>Local Base Expansion</b>	No	Yes (with <a href="#">D2-EM</a> and <a href="#">D2-DCM</a> )
<b>Number of PID Loops</b>	Over 2000	4 ( <a href="#">D2-250-1</a> ), 16 ( <a href="#">D2-262</a> )
<b>Memory Back-up Battery</b>	Included	Optional
<b>Firmware Update</b>	CPU module firmware can be updated from Do-more Designer.	Use firmware update tool
<b>Built-in RS-232 Port</b>	Yes, Full duplex	Yes, Half duplex
<b>Built-in USB Port</b>	Yes	No
<b>Built-in Ethernet Port</b>	Yes ( <a href="#">H2-DM1E</a> )	No
<b>Programming Software</b>	Do-more Designer	DirectSOFT