

NEW!

*smarty*⁷

starts in pole position ...

World Class Automation Controller

~ for all forms of industrial machine & process automation ~

Very fast - full featured - precision i/o - compact - beats any PLC

- designed & assembled in the USA for the world ... in stock!
- smart distributed control for the IIoT
- peer-to-peer connections over Ethernet
- unlimited i/o expansion
- Internet accessible
- 100% compatibility with all other drive.web devices
- savvy design, monitoring and diagnostic tools

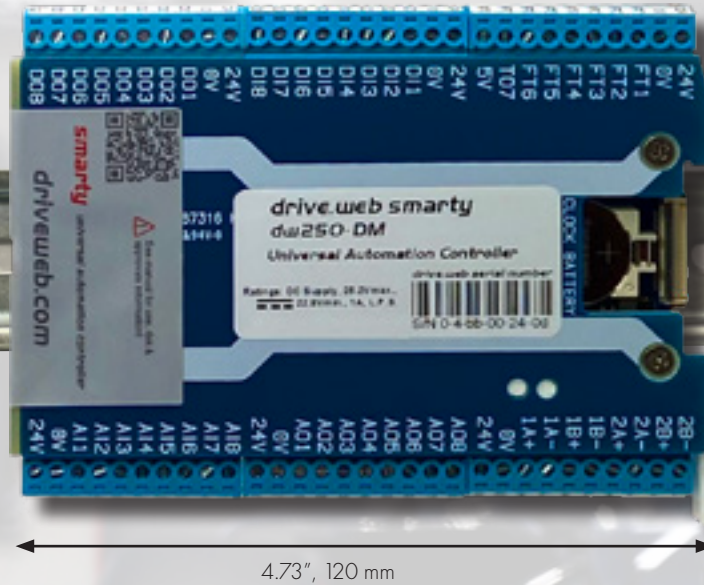


drive.web smart distributed control technology for savvy engineers

Incorporating 30 years of experience in reliability, performance and innovation for the industrial automation market



3.62", 92 mm



4.73", 120 mm

smarty⁷

Leads the pack!

Holds the track the way you want it ...

- edge pack DIN - for high density installations
- flat pack DIN - for low profile mounting

Winning performance ...

- performs complex motion control functions & logic in milliseconds
- encoder pulses up to 1 MHz with 64 bit count
- shares encoder pulses in real-time between units over Ethernet
- 60 plug-in terminals in 3.62" x 4.73" x 0.82" (92x120x21 mm)
- cost effective in systems of **any** size or complexity
- floating point or integer math
- clock time & date with SNTP server interface
- unlimited units in one homogeneous environment
- savvy tools with trending, smart phone interface, drag & drop connections

Applications On Track

- basic switching to complex logic
- simple arithmetic to complex math
- winders, open/closed loop with smart tension control
- registration, indexing, electronic line shaft over Ethernet
- advanced motion and position control
- smart pumping and air flow functions
- sun tracking for solar energy optimization
- material handling, batch and counting functions

smarty⁷



Outperforms any PLC! No limits!

Ethernet Distributed Automation Controller

In compact edge or flat, low profile DIN mount units with plug-in screw terminals and:

- 100baseTX Ethernet with **drive.web** peer-to-peer networking
- USB C port - provides system-wide access to all devices - drives, controllers, touch screens, etc.
- Battery holder for real time clock.

The standard DM build includes:

- 8, Analog Inputs: $\pm 10V$ (16 bits) analog in, or 5/24 VDC digital in
- 8, Analog Outputs: ± 10 VDC, 10mA
- 8, Digital Outputs: 24 VDC
- 8, Digital Inputs: 24 VDC
- 6, Fast I/O: digital inputs (100Khz) or stepper/digital out (500Khz)
- 1, Fast timing/stepper/frequency output: 30 VDC 100Khz
- 2, Encoder inputs: Quadrature A/B (or 1, ABZ), 5/24V, 1 Mhz
- ModbusRTU client port (RS485) (server optional)
- ModbusTCP/IP client and server (Ethernet)
- EIP/PPCC (Ethernet)
- Accelerometer, barometer, thermometer, hygrometer
- Advanced Process Control Library
- Winder & Web Tension Control Library
- Advanced Math Library
- savvyPanel touch screen controller
- Solar Position Library
- Advanced Motion Library

Models

dw250-DM-S7PD Standard controller

dw254-DM-S7PD P2 Series drive controller

dw258-DM-S7PD E3 Series drive controller

dw259-DM-S7PD Generic CANopen controller



*smarty*⁷

Starts in pole position
Finishes with the chequered flag
A winner from start to finish!

Get a thrill . . . test drive a smarty⁷ today!

- get the savvy tools from <https://driveweb.com/get-savvy/>
- from the Directory menu select "Create phantom device"
- select "drive.web Controller" + "dw240/241/250 smarty"
- pull down "dw250" - OK
- for the car keys, go to "Help" + "Getting started"
- climb into the driver's seat . . . hit the gas!
- leave the field behind!

drive.web distributed control technology from Bardac Corporation

Now celebrating over 30 years of providing industrial automation excellence

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