The *NEW **smarty dw240 series*** controller consists of a "cassette" that connects directly to system field wiring via four alternative, passive "terminal carriers". *This means big installation savings!*

smarty 1

basic UAC - 37 terminals - Analog & Digital I/O

Generic Stock Build Includes:

100baseTX Ethernet, auto-negotiating, USB microB
Power: 24VDC
dw build options -04 -05 -25 -26, Clamp Terminals, DIN Rail Mounting

- 8 AI   analog in, -11V to +11VDC, 100KΩ, up to 1 KHz
  (can be used as digital inputs)
- 8 AO   analog out, ~0.2 to +10.5VDC, 10mA, up to 1KHz
  (can be used as DO or reference voltages)
- 8 DI   digital in, 100KΩ, 8V threshold, ±3V hysteresis,
  50V max, up to 1 KHz (can also be used as event inputs)
- 8 DO   digital out, 24V source, up to 350mA (shared), over current protected

dw241-BX-C1CD
*only 4.2" wide x 3.5" high x 3.1" deep
(105mm x 87mm x 77mm)*

smarty 2

advanced UAC - 37 terminals - Analog & Digital I/O

Generic Stock Build Includes:

100baseTX Ethernet, auto-negotiating, USB microB
XIO Port for extended I/O options
Battery back up for realtime clock
Port options for CAN & ModbusRTU
Power: 24VDC
dw build options -04 -05 -06 -10 -25 -26 -29 -39,
Master Modbus RTU (unisolated), Clamp Terminals, DIN Rail Mounting

- 8 AI   analog in, -11V to +11VDC, 100KΩ, up to 1 KHz
  (can be used as digital inputs)
- 8 AO   analog out, ±10.5VDC, 10mA, up to 1KHz
  (can be used as DO or reference voltages)
- 8 DI   digital in, 100KΩ, 8V threshold, ±3V hysteresis, 50V max,
  up to 1 KHz (can also be used as event inputs)
- 8 DO, digital out, 24V source, up to 350mA (shared),
  internally current limited

dw240-DM-C2CD
*only 4.2" wide x 3.5" high x 3.1" deep
(105mm x 87mm x 77mm)*

smarty3 advanced UAC - 61 terminals - with encoder & steppers

Generic Stock Build Includes: 100baseTX, auto-negotiating, USB microB | XIO Port for extended I/O options | Battery back up for realtime clock
Port options for CAN & ModbusRTU | Power: 24VDC | dw build options -04 -05 -06 -10 -25 -26 -29 -39 | Master Modbus RTU (unisolated)
Clamp Terminals | DIN Rail Mounting

dw240-DM-C3CD
only 5.5" wide x 3.5" high x 3.1" deep
(140mm x 87mm x 77mm)

8	AI	analog in, -11V to +11VDC, 100KΩ, up to 1 KHz (can be used as digital inputs)
8	AO	analog out, ±10.5VDC, 10mA, up to 1KHz (can be used as DO or reference voltages)
8	DI	digital in, 100KΩ, 8V threshold, ±3V hysteresis, 50V max, up to 1 KHz (can be used as event inputs)
8	DO	digital out, 24V source, up to 350mA (shared) internally current limited
4	FT	Frequency/Timing
		Frequency/event input: 5V max, up to 100KHz
		Frequency/Stepper output: 5V sinking, up to 350mA (shared)
		F inputs can be used as event inputs or digital inputs
		F outputs can be used to generate frequency, control stepper amplifiers or as digital outputs
1	AB	Encoder, differential inputs (5.5V max), up to 1MHz

smarty4 advanced UAC - 103 terminals - with encoders, steppers & more!

Generic Stock Build Includes: 100baseTX Ethernet, auto-negotiating, USB microB | XIO Port for extended I/O options
Battery back up for realtime clock | Port options for CAN & ModbusRTU | Power: 24VDC | dw build options -04 -05 -06 -10 -25 -26 -29 -39
Master Modbus RTU (unisolated) | Clamp Terminals | DIN Rail Mounting

dw240-DM-C4CD
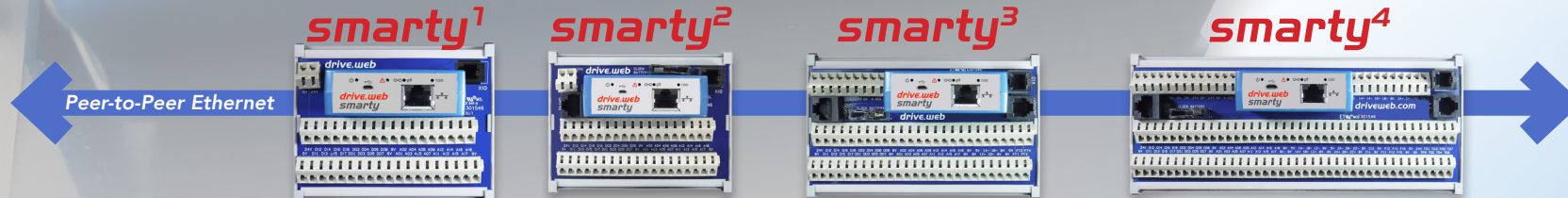*only 8.3" wide x 3.5" high x 3.1" deep*
(210mm x 87mm x 77mm)

8	AI	analog in, -11V to +11VDC, 100KΩ, up to 1 KHz (can be used as digital inputs)
8	AO	analog out, ±10.5VDC, 10mA, up to 1KHz (can be used as DO or reference voltages)
8	DI	digital in, 100KΩ, 8V threshold, ±3V hysteresis, 50V max, up to 1 KHz (can also be used as event inputs)
8	DO	digital out, 24V source, up to 350mA (shared), internally current limited
2	CI	Current Input, 4-20mA, 0-20mA, 20-4mA, 20-0mA, 100Ω
6	FI	Frequency in: up to 100KHz, 30V max, 100KΩ with pull-up or pull-down. Can be event or digital inputs.
7	TO	Timing Output, up to 500KHz, 30V max, sinking, pull-up, up to 350mA (shared). For frequencies, steppers or DO
2	ABZ	Encoders, EIA-422/485 differential (5V max), up to 1MHz
2	AB	Reconnect terminals for encoders

drive.web

distributed control
. . . the next generation smarty!

Peer-to-Peer Ethernet

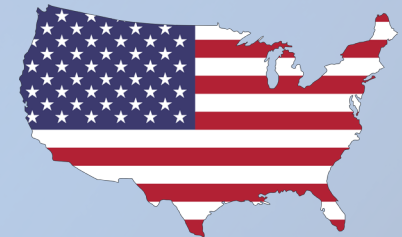|	smarty¹	smarty²	smarty³	smarty⁴
Generic UAC	dw241-BX-C1CD	dw240-DM-C2CD	dw240-DM-C3CD	dw240-DM-C4CD
P2 Vector Drive UAC	-	dw244-DM-C2CD	dw244-DM-C3CD	dw244-DM-C4CD
E3 Industrial Drive UAC	-	dw248-DM-C2CD	dw248-DM-C3CD	dw248-DM-C4CD
CANopen UAC	-	dw249-DM-C2CD	dw249-DM-C3CD	dw249-DM-C4CD
Full Featured PLC Functions	✔	✔	✔	✔
Advanced Process Control	✔	✔	✔	✔
Basic Motion Control		✔		
Advanced Motion Control			✔	✔
drive.web distributed control	✔	✔	✔	✔
100baseTX Ethernet	✔	✔	✔	✔
Modbus TCP/IP & EIP/PCCC	✔	✔	✔	✔
USB microB port	✔	✔	✔	✔
8 analog inputs	✔	✔	✔	✔
8 analog outputs	✔ (unipolar outputs)	✔ (bipolar outputs)	✔ (bipolar outputs)	✔ (bipolar outputs)
8 digital inputs	✔	✔	✔	✔
8 digital outputs	✔	✔	✔	✔
4 status LEDs	✔	✔	✔	✔
XIO extended I/O port		✔	✔	✔
Battery backup for clock		✔	✔	✔
CANopen & ModbusRTU ports		✔	✔	✔
Optional Drive Interface		✔	✔	✔
Frequency Inputs/Outputs			4 frequency inputs or timing outputs (2 steppers)	6 frequency inputs + 7 timing outputs (3 steppers)
Encoder			1 encoder, differential AB + reconnect terminals	2 encoders, differential ABZ + reconnect terminals

Even Faster

More Compact

More Versatile

More Memory

More I/O

Quicker, Easier Field Wiring

100% Compatible with all existing speedys, smartys, and savvyPanels!

Designed & built with ingenuity in the USA!