

drive.web Datasheet

Model: dw254-DM-S7PD

smarty7 UAC for P2 industrial vector drives

I/O & Connectivity

| | |
|-------------------------|--|
| Analog Inputs | 8 ($\pm 11V$, 16 bits or 5/24 VDC digital) |
| Analog Outputs | 8 ($\pm 10.5VDC$, 10mA) |
| Digital Inputs | 8 (24VDC) |
| Digital Outputs | 8 (24VDC - Input or Output) |
| Encoder Inputs | 2 (Quadrature A/B or ABZ, 5/24V, 1 Mhz) |
| Frequency Inputs | 6 (24/5 VDC digital 100kHz input or 500kHz, 20mA sink out) |
| Timing Outputs | 1 (30 VDC 500kHz, 20mA sink out) |
| USB | USB-C (system-wide access) |
| Ethernet | 100BASE-TX with drive.web peer-to-peer |
| Terminals | 60 plug-in, screw type |
| Communication Protocols | ModbusRTU, ModbusTCP/IP, EIP/PCCC |

Software Features

| | |
|-----------------------|---|
| Modbus TCP/IP (04) | Slave/Server |
| Process Control (05) | Recommended for most applications |
| Winder Control (06) | Diameter Calc., Taper Tension, Torque Comp. |
| Math (10) | With advanced math functions |
| EIP/PCCC (25) | Slave/Server |
| savvyPanel (26) | Operator station interface |
| Solar (29) | Calculates sun position azimuth and zenith |
| Precision Motion (39) | With event, length, position, shaft-lock, indexing, motion control and more |

Factory Build Specs

| | |
|-----------------------|--|
| Sensors | Accelerometer, barometer, thermometer, hygrometer |
| Clock | Yes (CR2032) |
| Dimensions | 0.82" x 3.62" x 4.73" (21mm x 92mm x 120mm) |
| Mount Type | DIN Edge Mount, DIN Side Mount Flex Clip (Optional) |
| Operating Temperature | 0°C to 40°C |
| Storage Temperature | -20°C to 50°C |
| Humidity | 95% max, non-condensing |
| Compliance | UL, CE |

