

The following tables lists the hardware supported by MATLAB. OEM variants are also supported.

Measurement Computing

Analog input and output subsystems are supported; session-based (64-bit) interface support only. Analog output streaming is not supported. Counter/timer and digital I/O subsystems are not supported.

USB

- | | | | |
|-------------------|-------------------|------------|------------|
| • USB-1208FS | • USB-1608FS | • USB-2020 | • USB-2627 |
| • USB-1208FS-Plus | • USB-1608FS-Plus | • USB-201 | • USB-2633 |
| • USB-1208HS | • USB-1608G | • USB-202 | • USB-2637 |
| • USB-1208HS-2AO | • USB-1608GX | • USB-204 | • USB-3101 |
| • USB-1208HS-4AO | • USB-1608GX-2AO | • USB-205 | • USB-3102 |
| • USB-1208LS | • USB-1608HS | • USB-231 | • USB-3103 |
| • USB-1408FS | • USB-1608HS-2AO | • USB-234 | • USB-3104 |
| • USB-1408FS-Plus | • USB-1616FS | • USB-2523 | • USB-3105 |
| • USB-1602HS | • USB-1616HS | • USB-2527 | • USB-3106 |
| • USB-1602HS-2AO | • USB-1616HS-2 | • USB-2533 | • USB-3110 |
| • USB-1604HS | • USB-1616HS-4 | • USB-2537 | • USB-3112 |
| • USB-1604HS-2AO | • USB-1616HS-BNC | • USB-2623 | • USB-3114 |

PCI, PCIe, and PCIM

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|-------------------|--------------------|----------------------|-------------------|
| • PCI-2511 | • PCI-DAS16/M1 | • PCI-DAS6036 | • PCI-DDA02/12 |
| • PCI-2513 | • PCI-DAS1602/12 | • PCI-DAS6040 | • PCI-DDA02/16 |
| • PCI-2515 | • PCI-DAS1602/16 | • PCI-DAS6052 | • PCI-DDA04/12 |
| • PCI-2517 | • PCI-DAS1602JR/16 | • PCI-DAS6070 | • PCI-DDA04/16 |
| • PCI-DAC04/12-HS | • PCI-DAS4020/12 | • PCI-DAS6071 | • PCI-DDA08/12 |
| • PCI-DAC04/16-HS | • PCI-DAS6013 | • PCI-DAS64/M1/16 | • PCI-DDA08/16 |
| • PCI-DAC6702 | • PCI-DAS6014 | • PCI-DAS64/M1/16/JR | • PCI-PDISO16 |
| • PCI-DAC6703 | • PCI-DAS6023 | • PCI-DAS64/M2/16 | • PCI-PDISO8 |
| • PCI-DAS08 | • PCI-DAS6025 | • PCI-DAS64/M2/16/JR | • PCIe-DAS1602/16 |
| • PCI-DAS1000 | • PCI-DAS6030 | • PCI-DAS64/M3/16 | • PCIM-DAS1602/16 |
| • PCI-DAS1001 | • PCI-DAS6031 | • PCI-DAS64/M3/16/JR | • PCIM-DAS16JR/16 |
| • PCI-DAS1002 | • PCI-DAS6033 | • PCI-DAS6402/12 | • PCIM-DDA06/16 |
| • PCI-DAS1200 | • PCI-DAS6034 | • PCI-DAS6402/16 | |
| • PCI-DAS1200JR | • PCI-DAS6035 | • PCI-DAS6402/16/JR | |

Data Translation

Use the DAQ Adaptor for MATLAB to interface MATLAB with Data Translation hardware.

The DAQ Adaptor supports the session-based (64-bit) interface or legacy (32-bit) interface of MATLAB. With 64-bit sessions, the buffer size is always the sample rate/10.

USB

- DT9801
- DT9801-EC-I
- DT9802
- DT9802-EC-I
- DT9803
- DT9803-EC-I
- DT9804
- DT9804-EC-I
- DT9804-EC-I-BNC16SE
- DT9804-EC-I-BNC8DI
- DT9805¹
- DT9806¹
- DT9810
- DT9812-10V
- DT9812A
- DT9813-10V
- DT9813A
- DT9814-10V
- DT9816
- DT9816-A
- DT9816-S
- DT9817-H
- DT9817-R
- DT9818-OEM
- DT9824
- DT9826
- DT9828²
- DT9829-8²
- DT9832-04-0-BNC³
- DT9832-04-2-BNC³
- DT9832A-02-2-BNC³
- DT9834-16-0-16-OEM³
- DT9834-16-4-16-BNC³
- DT9836-12-2-BNC³
- DT9836-6-0-BNC³
- DT9836-6-4-BNC³
- DT9837^{4, 5}
- DT9837A⁴
- DT9837B⁴
- DT9837C-BNC⁴
- DT9838²
- DT9844-32-OEM
- DT9844-32-STP
- DT9847-2-2⁴
- DT9847-3-1⁴
- DT9853
- DT9854
- DT9857E-16⁴
- DT9857E-8
- DT9862-2-0
- DT9862-2-2
- VIBbox-32
- VIBbox-48
- VIBbox-64

¹ Voltage measurements, 64-bit sessions only.

² Legacy 32-bit interface support only.

³ Output streaming up to 280 kHz per channel with 64-bit sessions.

⁴ Master/Slave mode not supported with 64-bit sessions.

⁵ Does not support analog output single value or output streaming.

PCI

- DT3016-PBF
- DT301-PBF
- DT302-PBF
- DT3034
- DT303-PBF
- DT304-PBF
- DT321-PBF
- DT322-PBF
- DT331
- DT332
- DT334
- DT335