

# PCI Express Interface Modules Low / High-speed CAN

## Base Specifications

Model type	PEX-H485322	PEX-H485322P
Bus Requirements	PCI Express™ Base Specification Rev. 1.0a x1	
Number of slots	1 slot	
Memory Size	8KB + 4KB x 4	
Data transfer method	I/O transfer (memory mapped I/O), DMA transfer	
Dimensions	165.00(D)×106.65(H) [mm]	
Weight	110g	120g
Power consumption	+3.3 Vdc (+/-0.3 V):0.7A(typ.)	+3.3 Vdc (+/-0.3 V):1.1A(typ.)
Environmental conditions	Operating temperature: 0 deg C to 50 deg C Relative humidity: 20% to 90% (non-condensing)	
Connectors	CN1: 25-pin D-sub male connector	
On-board connector	17LE-23250-27(D4AB) (DDK Ltd.) or equivalent (screw size: M2.6)	
Acceptable cable connector	17JE-13250-02(D1) (DDK Ltd.) or equivalent	
Isolation	No-isolation	Individual channel isolation
Interrupt sources	CAN controller interrupt, error status interrupt, transmit/receive message interrupt	
MTBF	385996 hrs.	175756 hrs.

## CAN Specifications

Model type	PEX-H485322	PEX-H485322P
Communication Mode	CAN 2.0B (active) High-speed CAN: ISO11898-2 compliant Low-speed CAN: fault-tolerant CAN	
Transfer rates*	High-speed CAN: 60 kbps to 1 Mbps Low-speed CAN: 40 kbps to 125 kbps	
Number of channels	High-speed CAN: 2 Low-speed CAN: 2	
Maximum cable length	High-speed CAN: 40 m at 1 Mbps Low-speed CAN: 40 m at 125 kbps	
Termination Resistor	Connected/unconnected (DIP switch selectable)	
CAN Controller	SJA1000T(NXP) or equivalent, CAN 2.0B protocol based	
CAN Transceiver	High-speed CAN: SN65HVD251DR(T.I.) or equivalent, ISO11898-2 compliant Low-speed CAN: TJA1055T(NXP) or equivalent	
CAN controller system clock	24 MHz	
Transmit / receive buffer memory	Transmit: 64-message FIFO Receive: 64-message FIFO (with receive timing of 10 µs) Error status: 64 (bus error, arbitration lost, and three others)	
Number of connection devices	High-speed CAN: 30 (max.) Low-speed CAN: 20 (max.)	

Note: \* An actual transfer rate depends on your computer, software, and connection devices.



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