

M-Modules for Fieldbus and Communication



	Function	I/O Lines	Interface	Memory	Miscellaneous	Front Connector	Isolation	Firmware	Consumption typ.	Driver Software
M77N	UART, RS232 or RS422/485	4	RS232/ RS422/ 485 UART	128-byte FIFO for each transmitter and receiver	Physical interface selectable by software	25-pin D-Sub	Yes		4.5 W max.	Linux, VxWorks, QNX, OS-9
M51	CAN Bus	4	ISO high-speed		CAN 2.0B, Extended CAN	25-pin D-Sub	Yes	CAN layer 2	900 mA	Linux, Windows, VxWorks, QNX, OS-9
M57	Profibus DP Master	1	DIN19245: RS485, RS232 (debug)	1 MB DRAM		9-pin D-Sub	Yes	ISO/OSI protocol layer 2/DP (Softing)	800 mA	Linux, Windows, VxWorks, QNX, OS-9; Profibus DP Configurator tool
M199	FPGA/Nios-based main M-Module with 32 MB SDRAM and 8 MB Flash for integration of user-defined I/O on a USM Universal Submodule plugged onto the main module					50-pin HP D-Sub	Depending on USM		Depending on USM	Depending on IP core functions