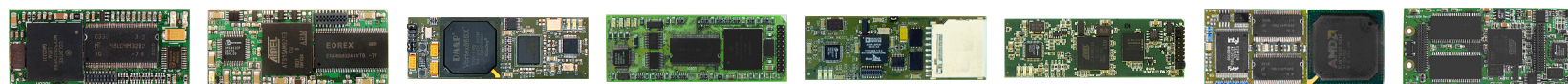


Embedded Module Selection Guide: DIL/NetPC

The SSV DIL/NetPC modules are ideal solutions for embedded networking designs where low power, high performance and small size is required. All modules are perfect for a variety of monitoring and control tasks. They all support both Flash and DRAM memory for stand-alone operation – and all have Ethernet onboard.

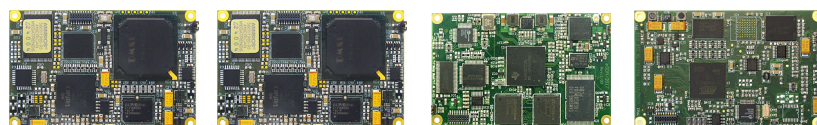


Specification	Industrial Embedded Networking Modules							
	DNP/5282	DNP/9265	DNP/2486	DNP/5280	DNP/5370	DNP/9200	ADNP/1520	ADNP/9200
Form Factor	DIL-40	DIL-40	DIL-64	DIL-64	DIL-64	DIL-64	QIL-128	QIL-128
CPU	MCF5282	AT91SAM9263	Vortex86SX	MCF5282	BF537	AT91RM9200	SC520	AT91RM9200
Speed	66 MHz	192 MHz	300 MHz	66 MHz	600 MHz	180 MHz	133 MHz	180 MHz
MMU	–	✓	✓	–	–	✓	✓	✓
FPU	–	–	–	–	–	–	✓	–
(S)DRAM	16 MB	32 MB	64 MB	16 MB	32 MB	32 MB	64 MB	64 MB
Flash	8 MB	32 MB	1 GB	8 MB	139 MB	16 MB	16 MB	32 MB
SSD Socket	–	–	–	–	SD/MMC	–	–	–
Serial Ports	2	3	2	2	2	2	2	3
Parallel Ports	20 bit	20 bit	20 bit	20 bit	20 bit	20 bit	20 bit (CPLD)	20 bit
I/O Expansion Bus	–	–	8 bit	8 bit	8 bit	8 bit	16 bit	16 bit
ISA Bus Expansion	–	–	–	–	–	–	✓	–
LCD	–	–	–	–	–	–	–	–
Touch Screen I/F	–	–	–	–	–	–	–	–
IDE	–	–	8 bit Compact Flash	8 bit Compact Flash	8 bit Compact Flash	8 bit Compact Flash	16 bit full feature	16 bit Compact Flash
SPI	Hardware	Hardware	Hardware	Hardware	Software	Hardware	Software	Hardware
I2C	Hardware	Hardware	Software	Hardware	Hardware	Software	Software	Software
CAN	1 (on-board)	1 (on-board)	No (external)	1 (on-board)	1 (on-board)	No (external)	No (external)	No (external)
USB Device	No (external)	No (external)	No (external)	No (external)	No (external)	1	No (external)	1
USB Host 12 Mbps	No (external)	1	No (external)	No (external)	No (external)	1	No (external)	2
USB Host 480 Mbps	No (external)	No (external)	1	No (external)	No (external)	No (external)	No (external)	No (external)
Ethernet	1x 10/100 Mbps	1x 10/100 Mbps	1x 10/100 Mbps	1x 10/100 Mbps	1x 10/100 Mbps	1x 10/100 Mbps	1x 10/100 Mbps	2x 10/100 Mbps
Interrupt Inputs	0	0	3	5	3	1	7	1
Chip Select Outputs	0	0	4	4	2	4	4	4
Timer Watchdog	✓	✓	✓	✓	✓	✓	✓	✓
Power Supervisor	✓	✓	✓	✓	✓	✓	✓	✓
Power	3.3 V	3.3 V	3.3 V	3.3 V	3.3 V	3.3 V	3.3 V	3.3 V
Expansion Sandwich Layer (ESL)	–	–	–	–	–	–	–	✓
Standard OS	uClinux (Kernel Ver. 2.4)	Linux Kernel Ver. 2.6	Linux Kernel Ver. 2.6	uClinux (Kernel Ver. 2.4)	Linux Kernel Ver. 2.6	Linux Kernel Ver. 2.4	Linux Kernel Ver. 2.4	Linux Kernel Ver. 2.6
OS Option	eCos	eCos	ROM-DOS Ver. 6.22	eCos	–	WinCE / eCos	ROM-DOS Ver. 6.22	WinCE / eCos
Size	55 x 23 mm	55 x 23 mm	82 x 28 mm	82 x 28 mm	82 x 29 mm	82 x 28 mm	82 x 36 mm	82 x 36 mm
RoHS compliant	✓	✓	✓	✓	✓	✓	✓	✓

For further information about our Embedded Modules please see www.dilnetpc.com and www.ssv-comm.de

Embedded Module Selection Guide: eSOM-200

The SSV eSOM-200 modules are ideal solutions for embedded user interface designs where low power, high performance and small size is required. All modules are perfect for a variety of monitoring and control tasks. They all support both Flash and DRAM memory for stand-alone operation – and all have Ethernet onboard.



Specification	Industrial Embedded Networking Modules / Embedded User Interface Modules			
	eSOM/2586 eSOM-200	eSOM/2586-M eSOM-200	eSOM/3517 eSOM-200	eSOM/9263 eSOM-200
Form Factor	Vortex86DX	Vortex86DX	AM3517 Cortex-A8	AT91SAM9263
CPU	600/800/1000 MHz	600/800/1000 MHz	600 MHz	192 MHz
Speed	✓	✓	✓	✓
MMU	–	–	–	–
FPU	128 MB	128 MB	256 MB	128 MB
(S)DRAM	1 GB	1 GB	8 MB NOR 1 GB NAND	32 MB NOR 256 MB NAND (option)
Flash	Compact Flash	Compact Flash	microSD	SD/MMC
SSD Socket	3	3	3	3
Serial Ports	20 bit	20 bit	20 bit	20 bit
Parallel Ports	16 bit	16 bit	16 bit	16 bit
I/O Expansion Bus	✓	✓	–	–
ISA Bus Expansion	18 bit TFT	–	24 bit LVDS	18 bit TFT
LCD I/F	4 Wire	–	4 Wire	4 Wire
Touch Screen I/F	–	VGA Output	DVI-D Output	–
CRT I/F	–	✓	–	–
Keyboard I/F	–	✓	–	–
Mouse I/F	16 bit Compact Flash	16 bit Compact Flash	–	–
IDE	Hardware	Hardware	Hardware	Hardware
SPI	Software	Software	Hardware	Hardware
I2C	1 (on-board)	1 (on-board)	1 (on-board)	1 (on-board)
CAN	No (external)	No (external)	No (external)	No (external)
USB Device	No (external)	No (external)	No (external)	2
USB Host 12 Mbps	2	2	2	No (external)
USB Host 480 Mbps	1x 10/100 Mbps	1x 10/100 Mbps	1x 10/100 Mbps	1x 10/100 Mbps
Ethernet	4	4	4	4
Interrupt Inputs	4	4	4	4
Chip Select Outputs	✓	✓	✓	✓
Timer Watchdog	✓	✓	✓	✓
Power Supervisor	3.3 V	3.3 V	3.3 V	3.3 V
Power	–	Keyboard and Mouse Interface (PS/2-conform)	IEEE 802.11 b/g Wi-Fi Transceiver	2 nd CAN Controller (option)
Specials	Linux Kernel Ver. 2.6	Linux Kernel Ver. 2.6	Linux Kernel Ver. 2.6	Linux Kernel Ver. 2.6
Standard OS	ROM-DOS Ver. 6.22	ROM-DOS Ver. 6.22	Google Android	eCos
OS Option	80 x 50 mm	80 x 50 mm	80 x 50 mm	80 x 50 mm
Size	✓	✓	✓	✓
RoHS compliant				

For further information about our Embedded Modules please see www.dilnetpc.com and www.ssv-comm.de