

DIL/NetPC Selection Guide

Embedded Networking Modules

The DIL/NetPC modules are ideal solutions for embedded networking designs where low power, high performance and small size is required. The DIL/NetPCs 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. The DIL/NetPC evaluation boards are designed to pick up a DIL/NetPC module by a simple DIL-connector. It provides all connectors and jumpers needed for immediate evaluation purposes and extended application specific I/O communication.



Specification	Industrial Embedded Modules: DIL/NetPC						
	DNP/5282	DNP/2110	DNP/5280	DNP/5370	DNP/9200	ADNP/1520	ADNP/9200
Socket	DIL-40	DIL-64	DIL-64	DIL-64	DIL-64	QIL-128	QIL-128
CPU	MCF5282	PXA255	MCF5282	BF537	AT91RM9200	SC520	AT91RM9200
Speed	66 MHz	400 MHz	66 MHz	600 MHz	180 MHz	133 MHz	180 MHz
MMU	-	✓	-	-	✓	✓	✓
FPU	-	-	-	-	-	✓	-
(S)DRAM	16 MByte	16 MByte	16 MByte	32 MByte	32 MByte	64 MByte	64 MByte
Flash	8 MByte	16 MByte	8 MByte	139 MByte	16 MByte	16 MByte	32 MByte
Serial Ports	2	2	2	2	2	2	3
Parallel Ports	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	-	-	-	-	-	✓	-
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	Software	Hardware	Software	Hardware
I2C	Hardware	Software	Hardware	Hardware	Software	Software	Software
CAN	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)	1	No (external)	1
USB Host	No (external)	No (external)	No (external)	No (external)	1	No (external)	2
Ethernet	10/100 Mbps	10/100 Mbps	10/100 Mbps	10/100 Mbps	10/100 Mbps	10/100 Mbps	2x 10/100 Mbps
Interrupt Inputs	0	5	5	3	1	7	1
Chip Select Outputs	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
Expansion Sandwich Layer (ESL)	-	-	-	-	-	-	✓
Standard OS	uClinux (Kernel Ver. 2.4)	Linux Kernel Ver. 2.4	uClinux (Kernel Ver. 2.4)	Linux Kernel Ver. 2.6.16	Linux Kernel Ver. 2.4	Linux Kernel Ver. 2.4	Linux Kernel Ver. 2.4
OS Option	eCos	-	eCos	-	WinCE / eCos	ROM-DOS Ver. 6.22	WinCE / eCos
Size	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*	✓	✓	✓	✓	✓	✓	✓

Starter Kits

For each DIL/NetPC we offer a complete Starter Kit for immediate evaluation purposes. The Starter Kit includes all required hard- and software components for an easy start.

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		DNP/5282	DNP/2110	DNP/5280	DNP/5370	DNP/9200	ADNP/1520	ADNP/9200
Evaluation Board	1	DNP/EVA6	DNP/EVA6 with SPI/ADC1	DNP/EVA6	DNP/EVA13	DNP/EVA9	CP486SX2-SV4	DNP/EVA11
Starter Kit*		DNP/SK14	DNP/SK21	DNP/SK16	DNP/SK28	DNP/SK23	DNP/SK11	DNP/SK27
Evaluation Board	2						DNP/EVA7	
Starter Kit*							DNP/SK18	

* For further information about the DIL/NetPC Starter Kits please see www.dilnetpc.com