

# Selection Guide

## PC/104+

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**PC/104+**  
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## Selection Guide PC/104+



Serial2000

PCAN-PC/104-Plus Quad

PCAN-PC/104+ Modul

|                                |                          |                             |                                |
|--------------------------------|--------------------------|-----------------------------|--------------------------------|
| Controller                     | -                        | NXP SJA1000                 | NXP SJA1000                    |
| Basic Equipment                | -                        |                             | -                              |
| HD SATA                        |                          |                             |                                |
| Interface COM                  | 8x RS232/422/485         |                             |                                |
| CAN                            | -                        | 4x                          | 2x                             |
| Galvanic Isolation             | -                        | -                           | 500V (only PPPC1028, PPPC1029) |
| Interface USB                  | -                        | -                           | -                              |
| Interface LAN                  | -                        | -                           | -                              |
| Mini PCIe                      | -                        |                             | -                              |
| PCI                            | x                        | x                           | x                              |
| PCIe                           | -                        | -                           | -                              |
| ISA                            | x                        | -                           | x                              |
| PC/104                         | -                        | -                           | -                              |
| PC/104-Plus                    | -                        | x                           | x                              |
| PCI/104                        | x                        | -                           | -                              |
| PCI/104-Express                | -                        | -                           | -                              |
| PCIe/104                       | -                        | -                           | -                              |
| Operating System Support       | WIN, Linux, QNX, VxWorks | Windwos 7, Vista, XP, Linux | WIN, Linux                     |
| Input Voltage Nominal          | 5V                       | 5 VDC                       | -                              |
| Input Voltage Min/Max          | -                        | -                           | 4.75V to 5.25V                 |
| Output Voltage Nominal         | -                        | -                           | -                              |
| Input Power                    | -                        | -                           | -                              |
| Operating Temperature          | 0°C to 60°C              | -40°C bis 85°C              | -40°C to 85°C                  |
| Extended Operating Temperature | -40°C to 85°C            | -                           | -40°C to 85°C                  |
| Storage Temperature            | -                        | -40°C bis 125°C             | -                              |
| Relative Humidity              | -                        | 15% bis 90%                 | -                              |
| Protection                     | -                        | -                           | -                              |
| MTBF                           | -                        | -                           | -                              |
| Dimensions                     | 90 x 96 mm               | 90 x 96 x 15                | 90 x 96 x 15 mm                |
| Weight                         | -                        | 56g                         | -                              |

### Bestellinformation

Artikel-Nr. PPPI6010  
Serial2000, PC/104+ Board, 0°C to 60°C,  
8-channel asynchronous serial port controller

Artikel-Nr. PPPI6010-1  
Serial2000-EXT, PC/104+ Board, -40°C to 85°C,  
8-channel asynchronous serial port controller

Artikel-Nr. PPPC1032  
PCAN-PC/104-Plus Quad CAN-Bus Interface,  
Vierkanal-CAN-Interface

Artikel-Nr. PPPC1028  
PCAN-PC/104-Plus Einkanal CAN-Bus Interface,  
Peak-CAN Karte PCI104-Bus, optoentkoppelt

Artikel-Nr. PPPC1029  
PCAN-PC/104-Plus Zweikanal CAN-Bus Interface,  
Peak-CAN Karte PCI104-Bus, optoentkoppelt

Artikel-Nr. PPPC1030  
PCAN-PC/104-Plus Einkanal CAN-Bus Interface,  
Peak-CAN Karte PCI104-Bus

Artikel-Nr. PPPC1031  
PCAN-PC/104-Plus Zweikanal CAN-Bus Interface,  
Peak-CAN Karte PCI104-Bus

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CAN4000



LANSwitch-1/4S



AirLAN2000-11

|                                |               |                                                                              |                                     |
|--------------------------------|---------------|------------------------------------------------------------------------------|-------------------------------------|
| Controller                     | NXP SJA1000   | Integrated PCI 10/100Mbit Ethernet Controller                                | -                                   |
| Basic Equipment                | -             | -                                                                            | -                                   |
| HD SATA                        | -             | -                                                                            | -                                   |
| Interface COM                  | -             | -                                                                            | -                                   |
| CAN                            | 4x            | -                                                                            | -                                   |
| Galvanic Isolation             | x             | -                                                                            | -                                   |
| Interface USB                  | -             | -                                                                            | -                                   |
| Interface LAN                  | -             | 4-port stand-alone / 5-port 10/100Mbit Ethernet switch w/ HOST 10/100 BASE-T | IEEE802.11 (a/b/g optional) WLAN    |
| Mini PCIe                      | -             | -                                                                            | -                                   |
| PCI                            | x             | x                                                                            | x                                   |
| PCIe                           | -             | -                                                                            | -                                   |
| ISA                            | x             | -                                                                            | x                                   |
| PC/104                         | -             | -                                                                            | -                                   |
| PC/104-Plus                    | x             | x                                                                            | x                                   |
| PCI/104                        | -             | -                                                                            | -                                   |
| PCI/104-Express                | -             | -                                                                            | -                                   |
| PCIe/104                       | -             | -                                                                            | -                                   |
| Operating System Support       | -             | Windows / Linux                                                              | WIN, Linux (QNX & VxWorks optional) |
| Input Voltage Nominal          | 3.3V, 5V      | 5V                                                                           | 5V                                  |
| Input Voltage Min/Max          | -             | -                                                                            | -                                   |
| Output Voltage Nominal         | -             | -                                                                            | -                                   |
| Input Power                    | -             | -                                                                            | -                                   |
| Operating Temperature          | 0°C to 60°C   | 0°C to 60°C                                                                  | 0°C to 55°C                         |
| Extended Operating Temperature | -40°C to 85°C | -40°C to 85°C                                                                | -                                   |
| Storage Temperature            | -             | -                                                                            | -                                   |
| Relative Humidity              | -             | -                                                                            | -                                   |
| Protection                     | -             | -                                                                            | -                                   |
| MTBF                           | -             | -                                                                            | -                                   |
| Dimensions                     | 90 x 96 mm    | -                                                                            | -                                   |
| Weight                         | -             | -                                                                            | -                                   |

|                    |                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bestellinformation | <p>Artikel-Nr. PPPE6200<br/>CAN4000-8S, PC/104+ Board, 0°C to 60°C,<br/>4-channel CAN bus controller plus serial ports</p> <p>Artikel-Nr. PPPE6200-1<br/>CAN4000-8S-EXT, PC/104+ Board, -40°C to 85°C,<br/>4-channel CAN bus controller plus serial ports</p> | <p>Artikel-Nr. PPPE6002<br/>LANSwitch-1/4S, PC/104+ Board, 0°C to 60°C,<br/>4-port stand-alone / 5-port 10/100Mbit Ethernet<br/>switch w/ HOST</p> <p>Artikel-Nr. PPPE6002-1<br/>LANSwitch-1/4S-EXT, PC/104+ Board, -40°C to<br/>85°C, 4-port stand-alone / 5-port 10/100Mbit<br/>Ethernet switch w/ HOST</p> | <p>Artikel-Nr. PPPE6000<br/>AirLAN2000-11ag, PC/104+ Board, 0°C to 60°C,<br/>WLAN controller, IEEE802.11a/g controller, 2x<br/>SMA</p> <p>Artikel-Nr. PPPE6000-1<br/>AirLAN2000-11ag-EXT, PC/104+ Board, -40°C to<br/>85°C, WLAN controller, IEEE802.11a/g controller,<br/>2x SMA</p> <p>Artikel-Nr. PPPE6001<br/>AirLAN2000-11bg, PC/104+ Board, 0°C to 60°C,<br/>WLAN controller, IEEE802.11b/g controller, 2x<br/>SMA</p> <p>Artikel-Nr. PPPE6001-1<br/>AirLAN2000-11bg-EXT, PC/104+ Board, -40°C to<br/>85°C, WLAN controller, IEEE802.11b/g controller,<br/>2x SMA</p> |
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