

3U CompactPCI/PlusIO Peripheral Cards



| | Type | CPU | CompactPCI/PlusIO | Memory max. | Interfaces | Software |
|--------------|---|-------------------------|---|----------------------------|---|--|
| F100 | CompactPCI to CompactPCI Serial Interface (with G100) | | 32-bit/66-MHz CompactPCI system slot, 1 CompactPCI slot | | Front I/O: 1 PCI Express x1 | Driver software not necessary |
| F203 | PC-MIP Carrier | | 1 CompactPCI slot | | Onboard: 3 PC-MIP slots | PC-MIP driver software |
| F204 | M-Module Carrier | | 1 CompactPCI slot | | Onboard: 1 M-Module slot | M-Module driver software |
| F205 | M-Module Carrier | | 1 CompactPCI slot | | Onboard: 2 M-Module slots | M-Module driver software |
| F206 | Octal UART (16450) | Nios Soft Core optional | 32-bit/33.66-MHz 1 CompactPCI slot, 3.3V VIO | 2 MB Flash, 16 MB DRAM | Standard configuration: 8x UARTs for use with SA-Adapters (RS232/422/485, isolated or not) Other I/O: FPGA (Altera Arria or Altera Cyclone) for user-defined I/O functions | Linux, VxWorks, Windows, QNX |
| F206N | Slave SBC | Nios Soft Core | 32-bit/33.66-MHz 1 CompactPCI slot | 32 MB SDRAM, 2 MB Flash | Front I/O: 1 debug interface Other I/O: FPGA (Altera Arria or Altera Cyclone) for user-defined I/O functions | Nios sample designs, development package, update tools |
| F207 | PCI-104 Carrier | | 32-bit/33-MHz 1 CompactPCI slot (8 HP front panel) with one PCI-104 module | | Onboard: Up to 4 PCI-104 modules | PCI-104 driver software |
| F305 | Fast Ethernet / Real-Time Ethernet Interface | | 32-bit/33-MHz 1 CompactPCI slot | | Front I/O: 4 full/half-duplex 10BASE-T or 100BASE-TX Ethernet on M12 Rear I/O (option): 2 RT Ethernet channels, MTCS connection | Windows, Linux, QNX |
| F211 | Fast Ethernet Interface | | 32-bit/33-MHz 1 CompactPCI slot | | Front I/O: 4 full/half-duplex 10BASE-T or 100BASE-TX Ethernet | Windows, Linux, VxWorks, QNX |
| F212 | PCI Express MiniCard Carrier | | 32-bit/33-MHz 1 CompactPCI slot | | Front I/O: Up to 4 SMA for wireless applications (GPS, GSM, WLAN, UMTS, HSDPA) Onboard I/O: Up to 2 PCI Express MiniCard or Express Card 34 or Express Card 54 | Depending on PCIe MiniCard/ Express Card |
| F212U | Triple USB Interface | | 32-bit/33-MHz 1 CompactPCI slot | | Front I/O: 3 USB 2.0 | Windows, Linux, VxWorks |

Compare Chart

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| F213 | PMC Carrier | | 32-bit/33-MHz 1 CompactPCI slot | | Front I/O: 2 SMA for wireless applications Onboard I/O: One 32-bit/33-MHz or 66-MHz PMC or PCI mini card, type III (A and B) | Depending on PMC card / PCI mini card |
| F215 | Universal Interface Board | Nios Soft Core optional | 32-bit/33-MHz 1 CompactPCI slot | 2 MB Flash, 16 MB DRAM optional | Standard configuration: 2x CAN, 2x UARTs, 1x 8-bit GPIO for use with SA-Adapters Other I/O: FPGA (Altera Arria or Altera Cyclone) for user-defined I/O functions | Linux, VxWorks, Windows, QNX |
| F216 | Octal UART (16550) | | 32-bit/33-MHz 1 CompactPCI slot | | Front I/O: 8x RS232/422/485, hardware-configurable | Windows, Linux, VxWorks, QNX |
| F217 | Memory Card Carrier | | 32-bit/33-MHz CompactPCI peripheral slot, 1 CompactPCI slot | CompactFlash, Memory Stick, SD/SDHC (Secure Digital 2.0), MMC plus) | | Windows, Linux |
| F218 | Slave CPU Board | MPC8314 | 32-bit/33-MHz CompactPCI peripheral slot, 1 CompactPCI slot | 256 MB DDR2 DRAM, 16 MB Flash | Front I/O: 2 Gigabit Ethernet, 1 COM Other I/O: FPGA (Altera Arria or Altera Cyclone) for user-defined I/O functions | Linux, VxWorks |
| F223 | PCI Express Mini Card Carrier | | 32-bit/33-MHz 1 CompactPCI slot | | Front I/O: Up to 6 SMA for wireless applications (GPS, GSM, WLAN, UMTS, HSDPA) Onboard I/O: 2 PCI Express Mini Card slots, 2 SIM card slots (expandable up to 18 slots total) | Windows, Linux |
| F403 | Binary I/O Card for Railways | | 32-bit/33-MHz 1 CompactPCI slot | | Front I/O: 16 binary inputs/outputs via 4 spring cage terminal blocks | Driver support for all operating systems |
| F701 | MVB Interface Card (Multifunction Vehicle Bus) | Duagon | 32-bit/33-MHz 1 CompactPCI slot | | Front I/O: 2 D-Sub 9-pin interfaces for MVB connection | Windows, Linux |
| F750 | CANopen Interface Board | Hilscher netX 100 | 32-bit/33-MHz 1 CompactPCI slot | 8 MB SDRAM, 4 MB serial Flash | Front I/O: 1 CANopen Interface, 1 diagnostic interface | Windows, Windows CE, Linux, VxWorks, QNX |
| F751 | DeviceNet Interface Board | Hilscher netX 100 | 32-bit/33-MHz 1 CompactPCI slot | 8 MB SDRAM, 4 MB serial Flash | Front I/O: 1 DeviceNet interface, 1 diagnostic interface | Windows, Windows CE, Linux, VxWorks, QNX |
| F752 | Real-Time Ethernet Interface Board | Hilscher netX 100 | 32-bit/33-MHz 1 CompactPCI slot | 8 MB SDRAM, 4 MB serial Flash | Front I/O: 2 10BASE-T or 100BASE-TX Ethernet, 1 diagnostic interface | Windows, Windows CE, Linux, VxWorks, QNX |
| F753 | PROFIBUS Interface Board | Hilscher netX 100 | 32-bit/33-MHz 1 CompactPCI slot | 8 MB SDRAM, 4 MB serial Flash | Front I/O: 1 PROFIBUS interface, 1 diagnostic interface | Windows, Windows CE, Linux, VxWorks, QNX |

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