

Technical Data

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| I/O | <ul style="list-style-type: none"> ■ USB <ul style="list-style-type: none"> □ Two USB 2.0 ports □ Series A connector at front panel □ UHCI implementation □ Data rates up to 480Mbit/s □ High current up to 1A ■ UART <ul style="list-style-type: none"> □ One RS232 at front panel □ Data rates 300bit/s..230kbit/s (up to 1 Mbit/s with shielded cable) □ FIFO receive and transmit buffers for high data throughput □ Handshake lines: full support |
| Mass Storage | <ul style="list-style-type: none"> ■ Serial ATA (SATA) <ul style="list-style-type: none"> □ One port for onboard 2.5" hard-disk drive □ Transfer rates up to 150MB/s (depends on hard disk) □ RAID level 0/1 support (depends on CPU board) ■ CompactFlash® card interface <ul style="list-style-type: none"> □ Via USB to PATA converter □ Type I □ True IDE mode □ Multiword DMA 2 and UDMA 4 support ■ Please note that operating systems which cannot boot from removable data carriers (e.g. Windows® XP) cannot boot from the CompactFlash® over USB |
| Miscellaneous | <ul style="list-style-type: none"> ■ CompactPCI® J1 is assembled for increased mechanical stability and/or for power supply |
| Electrical Specifications | <ul style="list-style-type: none"> ■ Supply voltage/power consumption: <ul style="list-style-type: none"> □ +5V (-3%/+5%), 50mA typ. (w/o hard disk) □ +3.3V (-3%/+5%), 95mA typ. (w/o hard disk) ■ MTBF: tbdh @ 40°C according to IEC/TR 62380 (RDF 2000) |
| Mechanical Specifications | <ul style="list-style-type: none"> ■ Dimensions: conforming to CompactPCI® specification for 3U boards ■ Mountable on right (standard) or left (option) side of the CPU ■ Weight: 130g (w/o hard disk and CompactFlash®) |
| Environmental Specifications | <ul style="list-style-type: none"> ■ Temperature range (operation): <ul style="list-style-type: none"> □ 0..+60°C up to -40..+85°C (depending on hard disk; please refer to the hard disk specifications for possible limits) □ Airflow: min. 10m³/h ■ Temperature range (storage): -40..+85°C ■ Relative humidity (operation): max. 95% non-condensing ■ Relative humidity (storage): max. 95% non-condensing ■ Altitude: -300m to + 3,000m ■ Shock: 15g/11ms ■ Bump: 10g/16ms ■ Vibration (sinusoidal): 2g/10..150Hz ■ Conformal coating on request |
| Safety | <ul style="list-style-type: none"> ■ PCB manufactured with a flammability rating of 94V-0 by UL recognized manufacturers |
| EMC | <ul style="list-style-type: none"> ■ Tested according to EN 55022 (radio disturbance), IEC1000-4-2 (ESD) and IEC1000-4-4 (burst) |
| Software Support | <ul style="list-style-type: none"> ■ Driver software can be found in the data sheet of the CPU board that you use. |

Configuration & Options

Standard Configurations

| Article No. | Interfaces | Mass Storage | Position | Operation Temperature |
|-------------|------------------|--------------------------|--------------|-----------------------|
| 02F603-00 | 1 COM, 2 USB 2.0 | SATA HD and CompactFlash | right of CPU | 0..+60°C |

Options

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|------------------------------|--|
| Mass storage | <ul style="list-style-type: none"> ■ Second CompactFlash® interface instead of SATA hard disk <ul style="list-style-type: none"> □ Via AD95 adapter |
| Mechanical | <ul style="list-style-type: none"> ■ Mounting of side card on left side of the CPU |
| Operation Temperature | <ul style="list-style-type: none"> ■ 0..+60°C ■ -40..+85°C |

Please note that some of these options may only be available for large volumes. Please ask our sales staff for more information.

Ordering Information

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| Standard F603 Models | 02F603-00 | 3U CompactPCI® side card with 2 USB and 1 COM extension, SATA hard disk and CompactFlash® slot, for F14 and compatible SBCs, mounted to the right of the SBC, 0..+60°C |
| Memory | 0751-0028 | CompactFlash® card, 2 GB, Type I, -40..+85°C, S.M.A.R.T. interface |
| | 0751-0058 | CompactFlash® card, 16 GB, Type I, fixed bit set, -40..+85°C |
| Miscellaneous Accessories | 0710-0038 | HDD SATA 2.5", 100 GB, 1.5GB/s, 4200rpm, -10..+70°C |
| Documentation | | Compare Chart 3U CompactPCI® / PlusIO CPU cards » Download |
| | | Compare Chart 3U CompactPCI® / PlusIO peripheral cards » Download |
| | | Compare Chart 3U CompactPCI® / PlusIO extension cards » Download |
| | 20F603-00 | F603 User Manual |

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