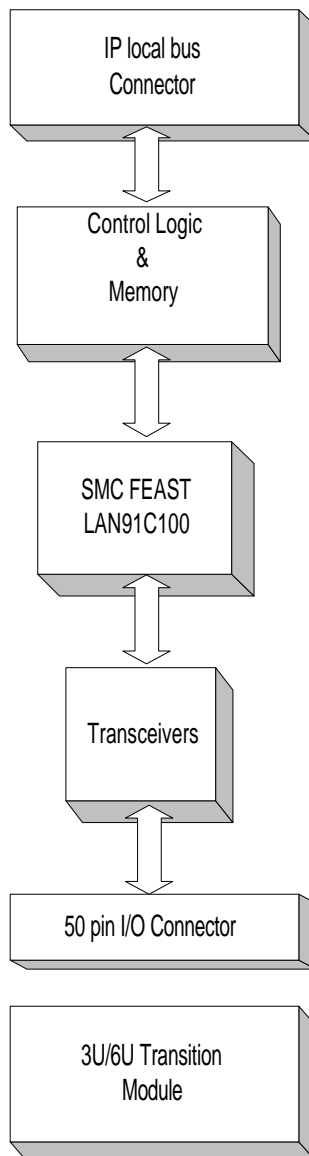


100Mbits Ethernet Industry Pack 10 / 100 Ethernet Communication Controller

ATC-LAN10/100
Functional Block Diagram



FEATURE SUMMARY

- SMC 91C100 FEAST controller
- On-board transceiver/transformer interface
- Direct 10Base-T/100Base-TX media interface
- Supports Ethernet protocol at 10/100 Mbits/s
- Auto-negotiation capability
- IEEE standard 802.3u
- On-board 128-Byte FIFO
- Module includes a transition module with RJ-45
- DMA supported, single channel, with byte swap feature.
- 32 MHz or 8 MHz operation
- Low power 320 mA typ. depending on output drive
- 0 to +70 opt. -45 to +85
- Humidity 5 to 95 non-condensing
- Single wide Industry Pack

OVERVIEW

The ATC-LAN10/100 is an Industry Pack module able to handle the 10/100 Mbits/s standard Fast Ethernet protocol to the IEEE 802.3 specification. The controller offers a high level of integration, which provides on-board transceiver and transformer interface for a complete 10Base-T/100Base-TX solution on a single size IP module. It may be operated at 8 MHz or 32 MHz.

The ATC-LAN10/100 is ideal for connecting data processing equipment to work stations for fast reliable transfers of large files. It may also be employed in any local area network application. The large internal buffer memory 128kB, which is managed by the VLSI communication processor that allows queuing of received data packets if the host processor has, for a short time, higher priority.

ORDERING INFORMATION

p/n: ATC-LAN-10/100 10/100 baseT Ethernet
with transition module

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