

Features of the analog I/O E series

1. Bulk buffer memory

Equipped with bulk buffer memory capable of storing as many as 262,144 pieces of data, it enables high speed sampling not dependent on the PC's processing capacity. Either FIFO or ring format can be selected as memory type.

2. Diverse sampling control functions

The start/stop of sampling can be controlled not only from the software but also by using the signal change of the specified channel (each condition can be set) and external digital signals as a trigger. It is also possible to perform consecutive sampling synchronized with the timer equipped on the board or with the external pulse signals.

3. Interrupt event function

The setup factors such as termination of the sampling, change of the external signals and occurrence of a sampling error can be used to generate an interrupt event. Because of this, board status can be monitored without applying additional load on PC.

4. Analogue output function

Equipped with independent 1-channel analogue output (D/A conversion) function, this board is capable of controlling external devices by itself.

5. Digital input/output function

Equipped with 4 points of TTL level digital input and 4 points of digital output, this board is capable of monitoring and controlling external devices by itself.

6. Others

Equipped with PIT (equivalent of i8254).

Upgrading the functions through dedicated options

Various functions can be added by combining diverse options.

● Channel expansion

By adding the channel expansion board, 16 channel (8 channel during the differential input) analogue E Series can be used as 32 channel (16 channel during the differential input) board.

● Insulation amplifier

Bus insulation and channel-to-channel insulation can be conducted by using the insulation function expansion board.

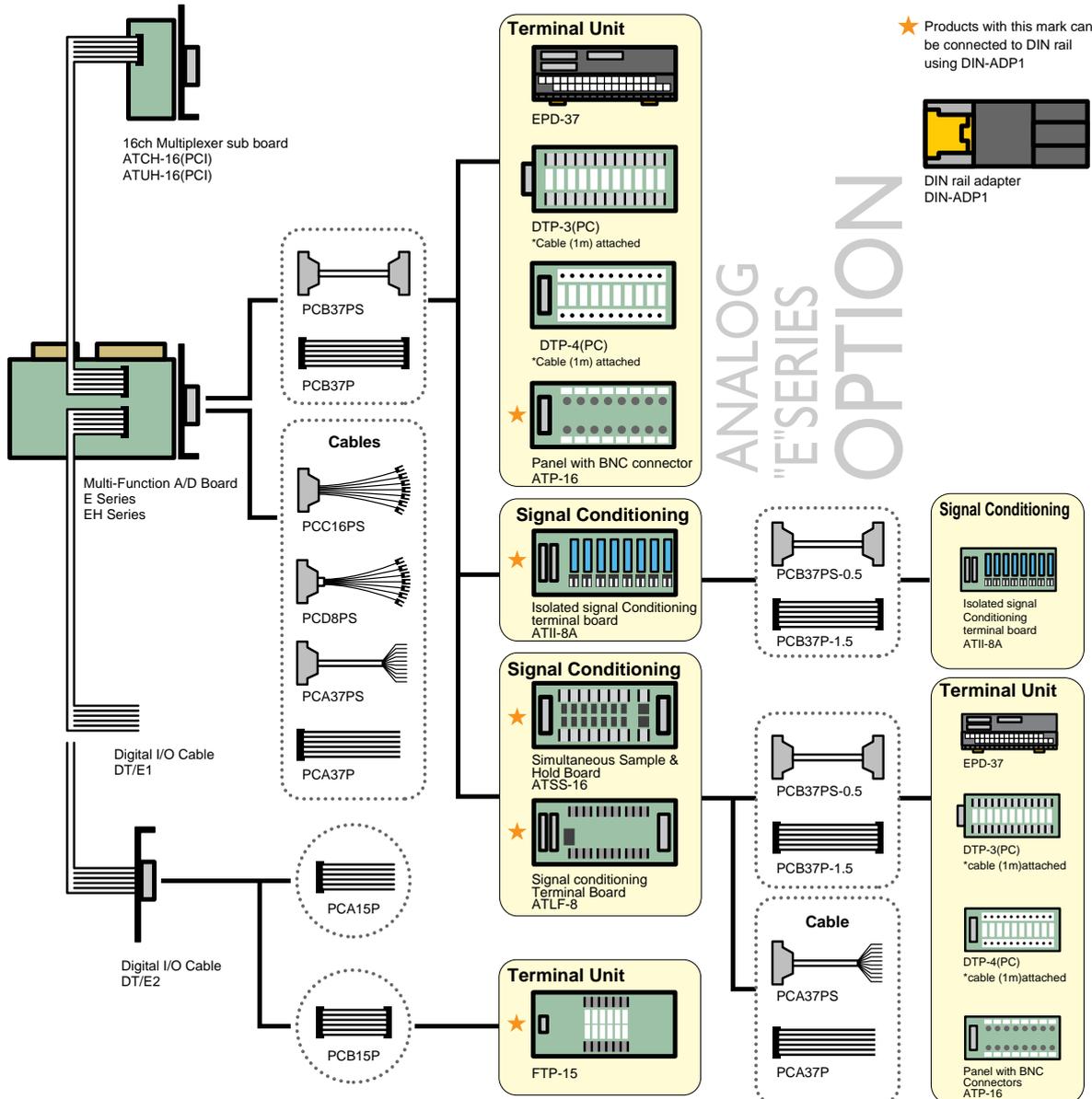
● Concurrent sampling

16 channels can be sampled in the same timing by using the concurrent sampling function expansion board.

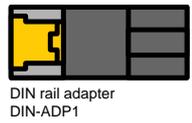
● Low pass filter

Commercial power frequency can be cut and simple antialiasing filtering (wide area filtering) can be conducted by using the low pass filter function expansion board.

Multi-Function A/D Board Accessories & Cables



★ Products with this mark can be connected to DIN rail using DIN-ADP1



ANALOG "E" SERIES OPTION

Lineup/Basic Knowledge

Intelligent E Series

Feature

PCI Bus

PC Card

Multi-Function F Series

Feature

PCI Bus

ISA Bas

Standard Type

PCI Bus

PC Card

USB

ISA Bus