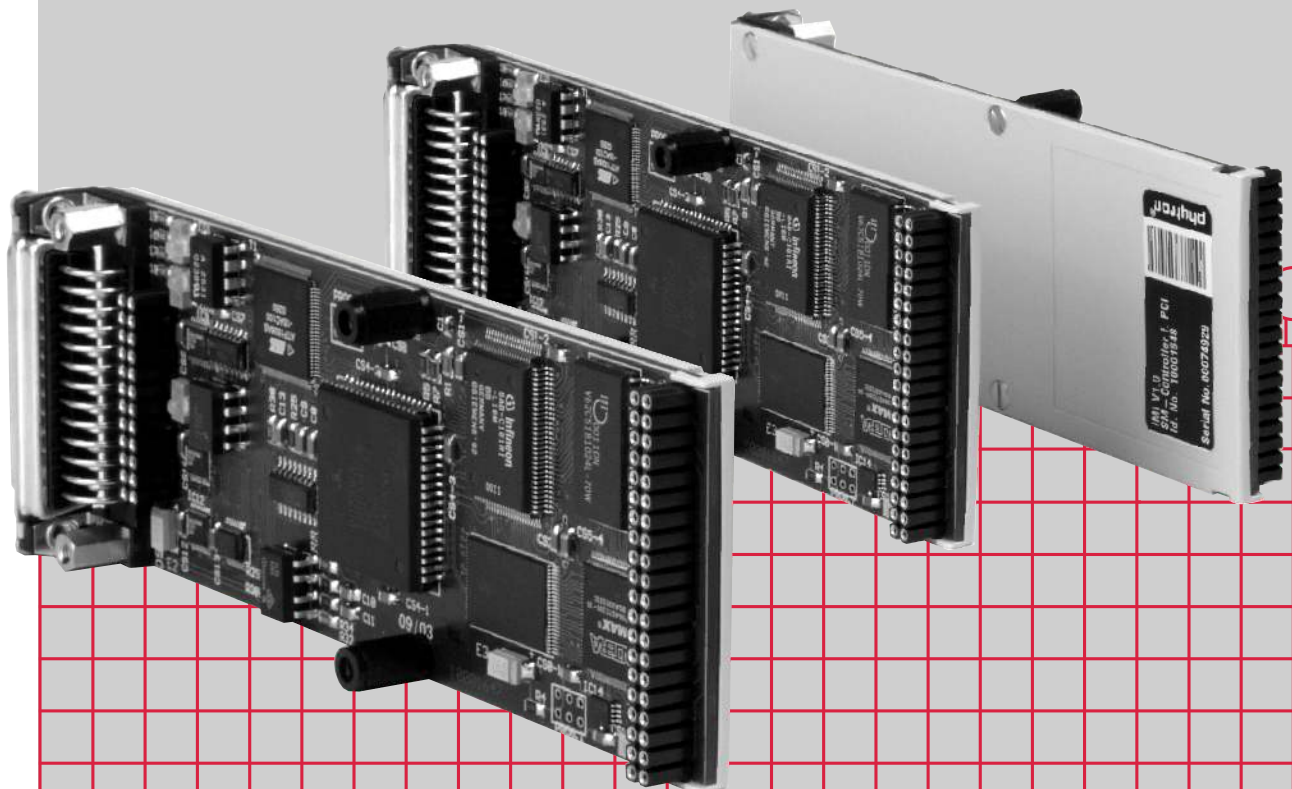


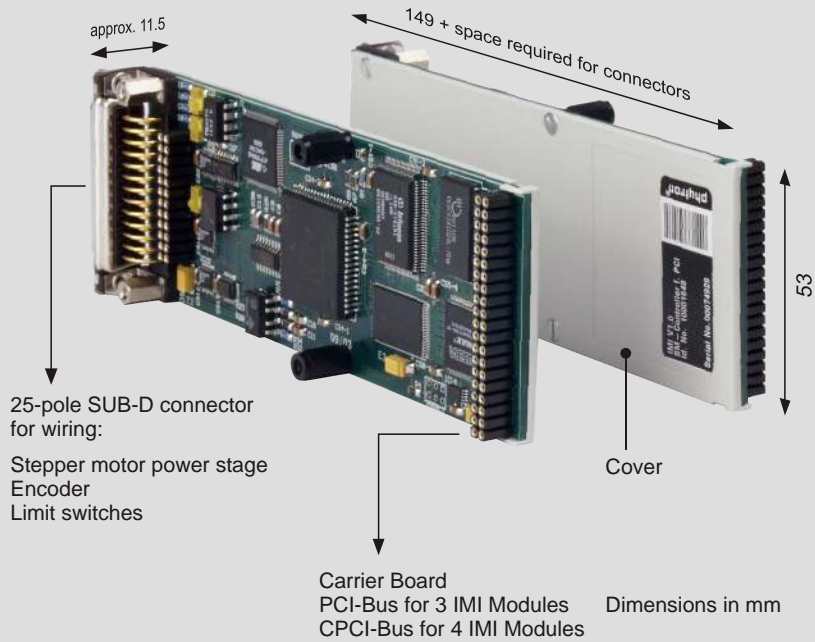
IMI Stepper Motor Controller Board M-Bus Module for PCI and CPCI Carrier Boards



**IMI
 Stepper Motor Controller
 Board**

Complete stepper motor controller with pulse/direction interface on one module
 Stand-alone operation or online mode
 Special microcontroller for editing sequential control programs in MINILOG, Phytron's reliable stepper motor control language.
 Interface to stepper motor power stages with the standard signals pulse, direction, activation, reset and error signal output
 Configuration and diagnostics of power stage parameters with type PAB power stages
 Two limit switch signal inputs
 Encoder signal inputs for quadrature or SSI interface
 Encoder evaluation: step failure monitoring or following-on counter
 IMI-Comm communication software package included
 M-Bus module for type PCI or CPCI systems acc. to PCI Spec. 2.1
 32-bit PCI-Bus

Dimensions and Connections



Stepper Motor Power Stages

which can be connected to the IMI module for controlling two-phase stepper motors:



PAB 93-70 MICRO 256
 with RS422/485
 Configuration and diagnostic interface
 Microstepping up to 1/256 steps
 9 A / 70 VDC



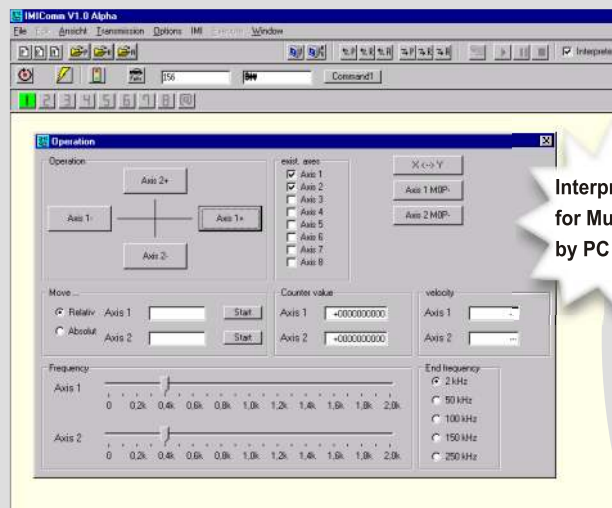
CCD 93-70 MINI
 with bipolar power stage
 9 A / 70 VDC



CLD 20-24 MINI 128
 with linear power stage up to 1/128 steps

SP MINI 92-70
 9A / 70 VDC
 with power supply for mains 115/230 VAC

IMI-Comm Communication Software



The Windows[®] compatible IMI-Comm communication software (included) allows to configure and program IMI-based stepper motor controls.

All sequential control programs can be edited on the PC. The user dialog language can be set: English, German or French.

The user has full access to the IMI control and can online drive the motor for test. Status information is displayed, sequential control programs can be edited and modified.

With IMI-Comm the operation parameters of the power stage and register values can be set, read, changed and saved.