

Sycard Technology and O₂ Micro have worked together to develop PCCTest 450/460 support for O₂ Micro's family of CardBus controllers. PCCTest software support for the older O₂ Micro CardBus controllers was held back due to hardware technical difficulties. Three test modules have been found to fail with the older controllers; the new controller passes all module tests. We have received requests from notebook manufacturers to release a "limited" version of our test software. This limited software release will bypass the failing test modules and display a "Bypassed" status message to inform the user that certain sections of the PCCTest are being bypassed. See explanations below.

The current status on O₂ Micro support is as follows:

O₂ Micro OZ6833 REV B - Full support in TESTCB version 2.04 and later.

O₂ Micro OZ6860 REV C - Full support in TESTCB version 2.04 and later.

O₂ Micro OZ6832 REV C - Limited support. This device is in current production; there are no changes from Sycard Technology or O₂ Micro. The following tests will display "Bypassed":

Test	Result	Reason
Master Mode Read/Write	Failure	The PCCTest's FPGA is sensitive to variations in the clock symmetry. The OZ6832 output cannot drive the capacitance of the PCCTest's FPGA CCLK pin, thereby causing an asymmetric clock. The PCCTest software will bypass the master mode read/write tests.
CPERR Test	Failure	The OZ6832 cannot test CPERR without generating a system error, similar to the Cirrus Logic 6832. The PCCTest software will bypass the CPERR test.
CCLKRUN Test	Failure	The OZ6832 does not implement the optional CCLKRUN clock. The PCCTest software will bypass the CCLKRUN test.

O₂ Micro OZ6836 REV C - Limited support –This device is in current production; there are no changes from Sycard Technology or O₂ Micro. The following tests will display "Bypassed":

Test	Result	Reason
Master Mode Read/Write	Failure	The PCCTest's FPGA is sensitive to variations in the clock symmetry. The OZ6836 output cannot drive the capacitance of the PCCTest's FPGA CCLK pin, thereby causing an asymmetric clock. The PCCTest software will bypass the master mode read/write tests.
CPERR Test	Failure	The OZ6836 cannot test CPERR without generating a system error, similar to the Cirrus Logic 6832. The PCCTest software will bypass the CPERR test.
CCLKRUN Test	Failure	The OZ6836 does not implement the optional CCLKRUN clock. The PCCTest software will bypass the CCLKRUN test.

The OZ6832 and the OZ6836 CardBus controllers are being replaced by the newer OZ6833 and OZ6860, therefore Sycard Technology plans no further support for the older OZ6832 and OZ6836 devices. All new development will concentrate on the latest O₂ Micro CardBus devices; these pass all the tests. For further information, contact Sycard Technology at support@sycard.com.