

C111C

Ethernet CAMAC Crate Controller



- o Full CAMAC bus control with LAM detection
- o Full control via embedded dynamic web server
- o Available NIM I/O functions: outputs, inputs, event counters, pulse generators and trigger/busy modules
- o Default I/O settings recallable with a dedicated pushbutton
- o ANSI C remote control library, with extensions for local resources control
- o Monitoring of crate voltages
- o Embedded script interpreter for C-like code local execution, with CAMAC/NIM functions
- o Stored script can be automatically launched at power-up (e.g. for crate initialization)
- o X and Q signals on last access, user LEDs fault, status and NIM default indicators

The Mod.C111C is a complete CAMAC controller, housed in a double width CAMAC module, that allows advanced interaction by means of standard Ethernet services, such as a local web server and TCP socket based communication protocol. The internal processor runs a version of Linux optimized for low memory footprint.

A CAMAC bus control subsection handles all bus access operations and interactions, including LAM detection; a separate NIM subsection manages I/O signals located on the front panel: four outputs, four inputs, event counters and two COMBO I/O (trigger/busy) modules. The dynamic local web server, perfectly suitable for crate setup and maintenance, allows advanced monitoring and control without the requirement of dedicated software installation, meanwhile, an embedded script interpreter allows the local execution of C-like code, with full control on CAMAC and NIM functions. Front panel indicators include X and Q signals on last access, four user LEDs (controllable from script) and fault, connection status and NIM default indicators.

PC Interface	Ethernet 10/100
Packaging	2-unit CAMAC module
Programmable I/O	4 In / 4 Out / 2 Combo
CPU section	Processor: ARM7TDMI running at 44 MHz Operating System: uClinux ver. 2.4.17 FLASH: 4 Mbytes SDRAM: 16 Mbytes
Serial port	38400 baud, 8-N-1, no flow control

Code	Description
WC111CXAAAAA	C111C - Ethernet CAMAC Crate Controller

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