



## IC2 - Compact PCI

**This course is an extension to the PCI course**

### Objectives

- This course highlights the new hardware features / constraints of CompactPCI with regard to PCI.
- Hardware and software additional requirements to support hot swap are explained.
- Implementation of a non-transparent 21554 intel PCI-to-PCI bridge frequently used in Compact PCI systems.

*A more detailed course description is available on request at [info@ac6-training.com](mailto:info@ac6-training.com)*

### Prerequisites

- Knowledge of PCI 3.0: see our course reference [IC1](#)

### Plan

#### **THE CompactPCI SPECIFICATION**

- Backplane design rules
- Board design rules
- Clocking
- Interrupt lines
- Electrical requirements on the system board

#### **HOT SWAP**

- Architecture model, compliance levels
- Hot swap additional signals
- Insertion & extraction sequences

#### **THE NON-TRANSPARENT 21554 PCI-TO-PCI BRIDGE**

- Address decoding
- Data path inside the bridge
- Consequences of PCI transaction ordering rules
- I2O specification objectives, implementation in the 21554

## Renseignements pratiques

**Duration :** 1 days  
**Cost :** 700 € HT



SARL au capital de 15400€ - SIRET 449 597 103 00026 - RCS Nanterre - NAF 722C - Centre de Formation : 19, rue Pierre Curie - 92400 Courbevoie  
Siège social et administration : 21, rue Pierre Curie - 92400 Courbevoie - Tél. 01 41 16 80 10 - Fax. 01 41 16 07 78

Last site update: Mon 13 Feb 2012 02:28:18 PM CET

<http://www.ac6-formation.com/>