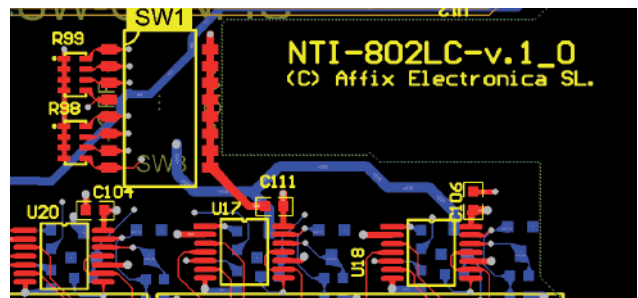


AFFIX Electrónica is the engineering company of CALMELL GROUP specialised in RFID solutions, engaged in the development of own software and hardware necessary for implementing systems for access and control, identification and security. Founded in 1994, it has more than 15 years of experience in designing and manufacturing readers/writers for contactless smart cards.

The fields of application of the AFFIX Electrónica products range from rail passenger control systems (underground, trains, trams), or buses (metropolitan or intercity) or access control systems in car parks to recharging systems necessary for automatic sales equipment and P.O.S terminals. AFFIX Electrónica distributes its products through systems integrators which need the most sophisticated control systems, supplying either the control board alone or the whole integrated system.

The AFFIX Electrónica readers can manage a wide variety of smart cards in accordance with ISO14443, ISO15693 and ISO18092. The different types include: MIFARE® 1K, MIFARE® 4K, MIFARE® UL, MIFARE® DESFire EV1, Calypso® CD-Light, Calypso® CD-97BX, SRIX512, I-Code, FeliCa® RCS-833, FeliCa® RCS-860, FeliCa® RCS-885



## Boards

### NTI-902/ AFX 301

Control board for ticket access control systems used by rail networks and buses (embarked systems). It contains all the elements required to build a complete validation solution.

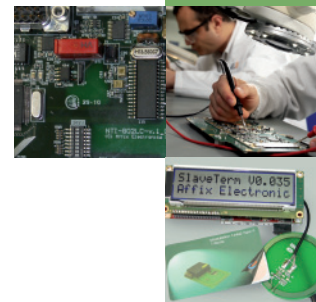
### BC-400

Control board for recharging systems: automatic sales equipment and P.O.S terminals.

### TR-201

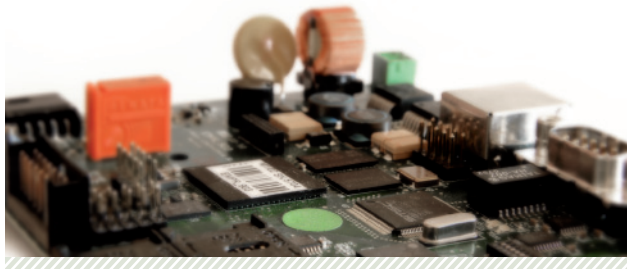
Control board for P.O.S terminals. Its small size makes it ideal for integrating into any type of system. Only requires a USB receptacle.





### Technical Characteristics

#### AFX 301



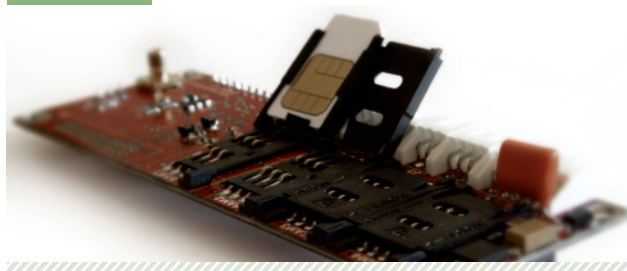
- 13.56 MHz RFID Interface according to ISO IEC 14443 standard. 50Ohm separated antenna.
- Interface for 4 SIM/SAM modules according to ISO/IEC-7816 standard.
- ARM926EJ-S™@ 180MHz processor.
- 64 MBytes SDRAM; 256 MBytes NANDFlash.
- General purpose input/output.
- LCD display interface.
- 10/100 Mbit Ethernet interface.
- RS232 and RS485/422 serial communications.
- USB 2.0 interface.
- Linux operating system.

#### NTI-902



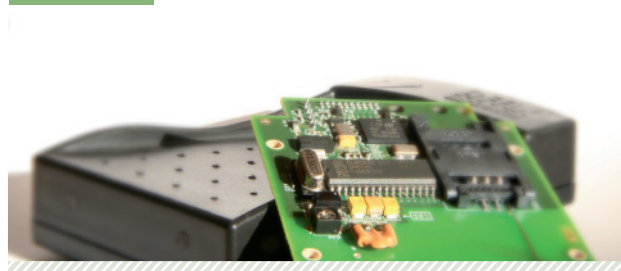
- 13.56 MHz RFID Interface according to ISO IEC 14443 standard. 50Ohm separated antenna.
- Interface for 4 SIM/SAM modules according to ISO/IEC-7816 standard.
- RISC 32 bits NIOS-II @ 50MHz processor.
- 16 MBytes SDRAM; 32 MBytes FLASH-NAND.
- General purpose input/output (optoisolated and TTL levels)
- LCD display interface.
- 10/100 Mbit Ethernet interface.
- RS232 and RS485/422 serial communications.
- USB 2.0 interface.

#### BC-400



- 13.56 MHz RFID Interface according to ISO IEC 14443 standard. 50Ohm separated antenna.
- Interface for 4 SIM/SAM modules according to ISO/IEC-7816 standard.
- ARM7 processor @ 48MHz.
- 64 KBytes SRAM; 272 KBytes FLASH.
- LCD display interface.
- RS232 and RS485/422 serial communications.

#### TR-201



- 13.56 MHz RFID Interface according to ISO IEC 14443 standard. Integrated antenna.
- Interface for 1 SIM/SAM module according to ISO/IEC-7816 standard
- ARM7 processor @ 48MHz
- 64 KBytes SRAM; 272 KBytes FLASH.
- USB 2.0 interface. There is a RS232 serial communications version (ref TR203 – requires external power)

