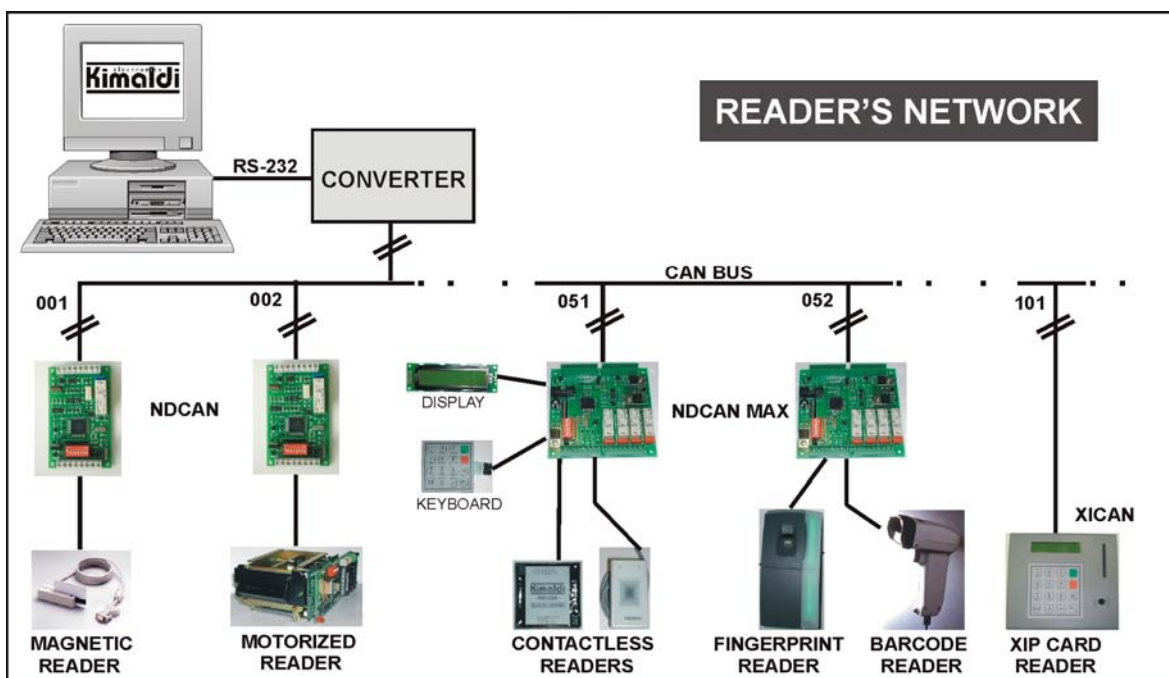


Kimaldi Ndcan v2 Communications Board

Communications board to build up a network of readers. Compact size CAN bus board with incredible features.

Main features of the system

- Long and expandable network of readers controlled with easy commands.
- It's possible to connect most type of readers: magnetic readers, motorized, contactless / RFID readers, smart card, bar code readers, biometrics, etc. And also other RS-232 or clock & data devices like ticketing printers, dispensers...
- Software development does not depend on reader's type. Once the software is developed we can use magnetic readers, proximity, motorized, bar code ...
- No polling required. When a reader reads data, it is sent directly to the host.
- Powerful and confident system to create a huge network of readers, up to 1.016 readers.



As you can see in the figure, the system has a converter connected to a PC COM port that drives a bus allowing the connection of Ndcan, Ndcan Max, Xican boards, etc. It's possible to connect in the same bus different communications boards depending on the requirements. Physically the bus has to be buffered with a signal amplifier every 80 readers or more than 1 kilometer length. Using simple ascii commands or Windows OCX driver, the programmer can control the whole network.

Typical applications: Access Control to sport club buildings, gymnasiums, football fields, olympic stadiums, parkings, fun resorts, hotels, universities, campings...; production control; industrial applications, industrial weight systems; etc.

Stand-alone working mode

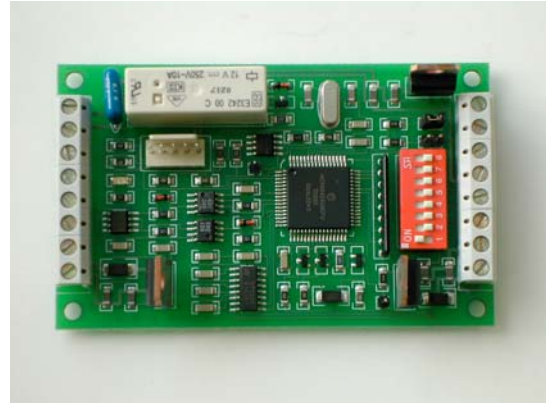
It's more used working on-line with CAN bus systems but it's also possible to configure Ndcan in off-line mode.

We can store through the bus up to 100 card codes in the non volatile memory of the Ndcan. Stand-alone working: when a card is read, the code is verified if it's an authorized code and if so the relay is activated.

Typical applications: lockers, access control and management of student residences, apartments, hotels, etc.

Interface and supported devices

- It's possible to connect:
 - 2 readers: one RS-232 interface and one Clock & Data interface.
- Outputs:
 - 1 relay
 - 2 led's outputs
 - 1 beeper's connection
 - 5 vdc output



Technical Specifications

Power:	12 vdc
Communications:	CAN BUS
Adress:	10 bits, you can adress 1.016 equipments.
Inputs:	- RS-232 9600,n,8,1 (reader 1) - TTL track 2 ABA (reader 2)
Outputs:	- 1 commuted relay - 2 led's output (source) - 1 beeper's output (drainer) - 5 vdc / 200 mA
Dimensions & weight:	95 x 57 x 21 mm (LxWxH) / 53 gr.

Different integrations and encapsulated types are available, example:



Alocan Mag



Alocan Prox