

PICOVEND EZ myPOS

Table of Contents

I. Introduction.....	3
II. Hardware.....	3
A. Board overview.....	3
B. Connectors description.....	3

I. Introduction

This device was designed to connect myPOS mini device to any MDB enabled vending machine.

II. Hardware

A. Board overview

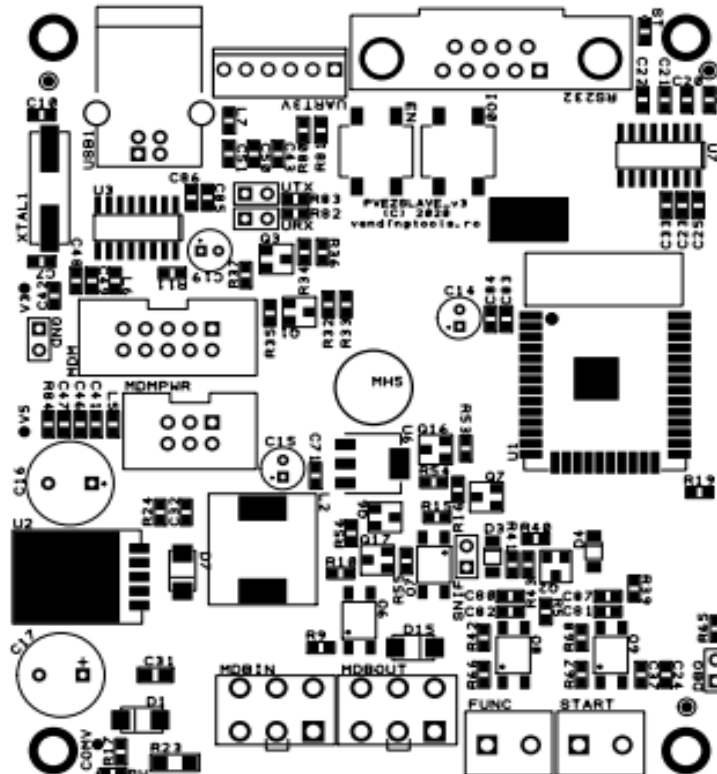


Figure 1: Board overview

B. Connectors description

1. **MDBIN** – the connector for the MDB cable to connect on the vending machines
2. **MDBOUT** – the connector for the other MDB payment systems (like coin acceptors/changers, bill validators, other cashless devices, etc). By using this connector, no other “Y” cables are needed.
3. **FUNC** – this is a digital input, reserved for future use.
4. **START** – this is a digital input where you can connect a NO button that will be used to begin a session on the Level 2 MDB vending machines or on the Level 3 without Always Idle support vending machines, in order to allow the customer to make his selection. If your vending machine is not supporting MDB Always Idle mechanism you need to attach a NO momentary button on this connector - SPST – (ON)-OFF button which is not supplied by our company. This button should be installed on the machines front panel, near the POS enclosure and marked with a “START” sticker.
5. **RS232** – this is the connector for RS232. Use this interface to connect the myPOS mini terminal

6. UART3V – this connector is used to power the myPOS mini terminal. On the next revision, it will be replaced with an USB A connector, in order to offer an easier interfacing method.

For testing/pilot, you need to modify myPOS mini enclosure USB cable. Cut the USB A connector and use red wire to connect to pin #6 and black wire to pin #2. Contact our technical staff if unsure. On this revision, the connector does not offer any polarity reversal protection.

- PIN #1 – N/C;
- PIN #2 – GND;
- PIN #3 – TXD;
- PIN #4 – RXD;
- PIN #5 – 3.3V out (max 100mA);
- PIN #6 – 5V out (max 300mA).

7. USB B connector to use on USB hosts – requires some drivers to install on host, to emulate a virtual serial interface (default baudrate is 115200). It is used for interface setup (changing POS language, POS currency, MDB feature level, MDB options, etc.). It requires CH340G driver to be installed on Windows machines. Recent Linux kernels already includes modules for this IC.

For setup we recommend you to contact our technical staff. Make sure you prepare a remote enabled computer and an USB B cable. We can use TeamViewer or Chrome Remote Desktop to assist you.