

# ABDA – rePOR Software

## Minimum Hardware Requirements

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*Date Effective: March 2024*

### Introduction

The intent of this document is to present minimum hardware requirements for the ABDA rePOR software. It includes recommendations for standard POR Terminals (to be used at point of purchase from customers), Back End Database Servers, and a sample configuration with peripheral devices.

It should be also noted that a **reliable wired Local Area Network (LAN=internal internet) is required for remote support and updates.**

### POR Terminals

#### Minimum Requirements

- Operating System: Windows 11 (Home or Pro)
- Processor: Intel Core i3 or AMD Ryzen 3 (or equivalent) or higher
- Memory: 4 GB RAM (DDR4 or higher) or more (8 GB DDR4 recommended)
- Disk drive: 128 GB **SSD** or more with minimum 20 GB free space (HDDs are **not** recommended)

*Peripheral devices (see next page for a sample configuration):*

- Touch Screen Monitor – minimum supported display resolution is 1024x768
- Receipt Printer
- Cash Drawer (either one central cash, or one per terminal, depending on Depot's process)
- Surge protectors for all terminals are recommended

### Back End Database Server<sup>1</sup>

#### Minimum Requirements

- Operating System: Windows 11 (Home or Pro)
- Processor: Intel Core i3 or AMD Ryzen 3 (or equivalent) or higher
- Memory: 8 GB RAM (DDR4 or higher) or more
- Disk drive: 128 GB **SSD** or more with minimum 64 GB free space (HDDs are **not** recommended)
  - *Note: we highly recommend **against** a RAID configuration.*

*Recommended peripheral devices:*

- Uninterruptible Power Supply (UPS)/battery backup
- Standard monitor (not required, but preferred)
- Standard inkjet or laser printer (for Reporting and Shipping)

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<sup>1</sup> **NOTE:** a server meeting these requirements may not be necessary in all cases. Please contact the ABDA to discuss all hardware plans prior to order.

## Other Requirements

- **TeamViewer installation is required on all stations on which rePOR will be installed**
  - TeamViewer credentials must be sent to ABDA including a description of the intended use for each station (ie: Station 1, Station 2, Cashier, Shipping, Server, etc.)
- Any pending Windows updates should be applied before installation of rePOR software
- Sharing receipt printers or report printers between multiple stations should be completed by the Depot or their hardware provider prior to rePOR use. Contact ABDA for requirements.
- For small operations (generally 4 or less stations total), a dedicated server is not necessarily required. Larger operations should always have a dedicated server that is only used for rePOR data management.

## Sample Set-Up

NOTE: *Specific hardware listed here have been tested with ABDA's POR software and are listed as examples; for other brands, please ask about compatibility before purchasing.*

This is based on a common set-up for a Depot who is using RFID technology. If a Depot is not using RFID, it may be required to include a receipt printer on multiple stations or share one between several stations. Sharing printers should be set up by the Depot or their hardware provider before rePOR software installation.

### POR Terminal (standard Depot purchasing station)

- 1 PC/terminal meeting minimum requirements (example: [Lenovo M900/M700 Tiny Series](#))
- 1 staff-facing touchscreen (example: [ELO 15 or 17" resistive touchscreen](#))
- 1 customer-facing 20" (or larger) widescreen LCD display monitor
- 1 RFID card reader (sold directly by ABDA when applicable)

### Cashier Terminal (centralized cashier station)

- 1 PC/terminal meeting minimum requirements (example: [Lenovo M900/M700 Tiny Series](#))
- 1 staff-facing touchscreen (example: [ELO 15 or 17" resistive touchscreen](#))
- 1 customer-facing 20" (or larger) widescreen LCD display monitor or
- 1 receipt printer such as either the [Epson TM-T88V](#) or [TM-T20II](#) or [TM-T20III](#)
- 1 heavy duty Cash Drawer (must have DK port for connection to receipt printer)
- 1 RFID card reader (sold directly by ABDA)

### Shipping Station (usually in warehouse or office)

- 1 PC/terminal meeting minimum requirements (example: [Lenovo M900/M700 Tiny Series](#))
- 1 staff-facing touchscreen (example: [ELO 15 or 17" resistive touchscreen](#))
- 1 small laser or inkjet printer
- 1 2D USB barcode scanner (example: [Zebra L2208](#))

**You may obtain hardware from any vendor. ABDA can provide recommendations if needed. Please consult ABDA prior to ordering equipment that is different than the specifications above.**

**For more information regarding the rePOR, contact the Alberta Bottle Depot Association at 1-780-454-0400, or email [repor@albertadepot.ca](mailto:repor@albertadepot.ca)**