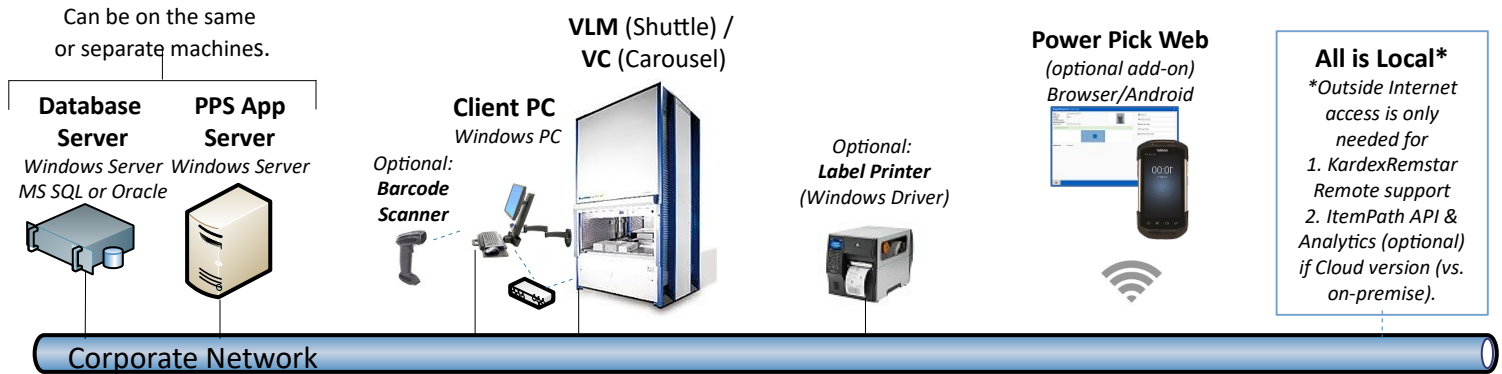


Power Pick System (PPS) System Architecture & Overview

2023/03 – See more resources & details at support.chainreference.com
[Request Access](#) (qualifying customers)



All is Local*

*Outside Internet access is only needed for
1. KardexRemstar Remote support
2. ItemPath API & Analytics (optional) if Cloud version (vs. on-premise).

VLM or VC

1 Network drop per VLM or VC
(unit has an internal switch)

2-4 Static IPs per VLM/VC:

Default ports:

CPU (TCP: 8080, 9090, 81)

NAV* (TCP: 1355, 2019)

LED* (UDP: 9000 + 1 per)

Batch Lights*: (TCP: 10001)

TIC* (old): TCP: 4001

*if included

Computers, Peripherals

Power Pick Database, Rule Engine, and Client App can be on 1, 2, or 3 computers.
(e.g. 1 PC with SQL Express can run everything, or split to use Server(s) + Client)

Clients and servers can be physical or virtual. Supplied by the customer.

Refer to [PPS System Requirements](#) for specific requirements.

Client PC

Can operate 1 or more VLM/VCs.

Add more client PCs to run PPS.
Licensing is concurrent user logins.

PPS supports LDAP/AD & SSO.

Optional: Connect to VLMs/VCs on a Subnet with a N/W switch.
Requires 2 NICs on Client PC.

Servers

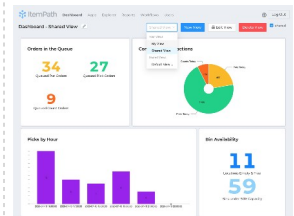
Application server
runs the PPG Rule Engine Service

Database server
can be dedicated or shared

App Server and Database can be in the cloud
(e.g. AWS, MS Azure)



Enhance PPS with
Web Reporting,
Dashboards, REST API,
Automated emails,...



See [Pricing Requirements](#):
Cloud / On-Premise

Multiple sites can be supported with a single PPG instance/database. Some elements are shared: Materials, Bins, Storage Rules, Users,...

Data Integration

between PPS and other software (e.g. ERP)

Methods supported: Text, SQL, XML, REST API, IDOCs...

Scope: ERP to PPS: Materials, Orders; PPS to ERP: Confirmations, Stock Adjustments.

See [Data Integration](#)

Optional Add-on Peripherals and Utilities

- **Bar Code Scanner**: Scan order, validate material, location, lot, etc.
- **Batching Touch Screen Tool**: Process multiple orders, show which order(s) the pick is for.
- **Camera**: Overhead tray photo for each transaction.
- **Card Reader**: Employee Badge Reader.
- **Counting Scale**: To assist in counting small parts being picked or put.
- **Display Tool**: Separate monitor shows specific details, photos, etc.
- **Label Printer**: Print for Materials, Locations, Orders, etc
- **Mobile Devices**: To run Power Pick Web
- **Order Alert Light**: Shows when orders are available. Colours by priority.

Where to buy: Contact your salesperson, or sales@chainreference.com.

Kardex Power Pick Modules:

See list at [Power Pick Software Modules](#) – (request access)

Add-on PPS Utilities by Chain Reference

See list at [Add-on Software Utilities](#) – (request access)

Available through your Kardex dealer or sales@chainreference.com.

For more information or assistance: Contact help@chainreference.com