

## Piko Studio 1.0 feature list

### Setup and configuration

- Windows Setup program
  - o Enables **easy basic configuration**
  - o **Automatic detection of all Pikos** on a network
  - o Network problem resolution
- **DHCP** support
- **Link to Finnzymes** Java based **Web calculators**
- **Software update link** to Norden Logic
- Version information of actual and available (Check for updates)
- **License Manager**
- **PC information screen** (details on memory, processor, windows version, etc)
- **Preferences**: settings for network and download e.g. proxy settings
- **Email config and testing** with support for transport layer security (**TLS**) (e.g. Gmail)

### Service/Tools

- **Easy device flashing** (bulk by family - auto identifies devices)
- **Reset Flash drive**
- **Device-to-Device Cloning** (including 1:1 and 1:Many (bulk)(factory mode))
- **Remote** Power off and **Remote** Reboot/Startup
- Set Piko **time remotely** / sync with PC
- Set Piko alias & location

### Running experiments on Piko

- **Time/temperature real-time graph** (in Status)
- **Graphical view of protocol run**
- **Plot to file of graph data for later retrieval** from log function with graphical analyzes
- **Email notification**
- **Integrated RS232 serial terminal** (plug & play) for concurrently **work and watch serial output** while running network protocols
- Comprehensive error report/status from Piko
- get Piko run log file

### Management of Pikos in the lab

- Enables **taking back-ups of data** stored in the Piko
- Piko studio can **manage up to 500 Pikos** on a network
- Piko **device status** shown in active list for **easy monitoring** (all devices on Network are seen)

### Data management

- Embedded **SQL database** (transaction based)
- Database tools: backup and restore of database file, creation of a blank database
- Database command shell
- Database graphical interface for administrator use
- **Creation of secure folders**, keep secure folder settings during copy, bulk copy of files and/or folders
- **Deletion of protocols or folders** including handling security attributes
- **VirtualPiko** allowing the user to offload the complete piko content into a moveable file and restore to factory settings

- o VirtualPiko **file creation and file loading**, including browsing and editing files from the virtual files
- o High added **value for high security labs** or for labs where **devices are shared among users**, each user having his own set of protocols

#### Working with the protocols

- **Creation of a Protocol** with protocol editor
- **Register a protocol run and other data** in a database record
- **Running a protocol**, including controls (Stop, Pause, Skip, Start)
- **Load a protocol**, including listing the protocols of a selected Piko or selecting protocol from the network, copy and run that
- **Protocol run report** (stored in local database including viewing Notes and actual protocol run)
- **Exporting to disk new protocol** and/or upload to Piko
- **Import protocols**
- **View and Modify existing protocols** either from disk, remote networked Piko
- **Copy protocols via network**, including listing of all networked Pikos and their protocols
- **Wild card search of any protocol** available on the network hosted by any Piko, including view/edit of found protocol
- **Download newly published protocols from Finnzymes website** (either save to local disk, possible database, or directly load to selected network Piko)

#### Additional tools for Finnzyme use included in the Piko Studio delivery:

- **IPSetup**: this is a tool to set the network address of a Piko via PC
- **Commandline tools for service**: PikoFlash (many options in the tool, use Pikoflash -h shows info) available for Windows, Mac and Linux