

## Appendix F: LVS<sup>®</sup> 95XX Data Sharing

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Omron Microscan Systems, Inc.  
Tel: +1.425.226.5700 / 800.762.1149  
Fax: +1.425.226.8250

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For technical support, e-mail:  
[Americas\\_support@microscan.com](mailto:Americas_support@microscan.com)  
[EMEA\\_support@microscan.com](mailto:EMEA_support@microscan.com)  
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### **Omron Microscan Systems, Inc.**

**United States Corporate Headquarters**  
+1.425.226.5700 / 800.762.1149

**United States Northeast Technology Center**  
+1.603.598.8400 / 800.468.9503

**European Headquarters**  
+31.172.423360

**Asia Pacific Headquarters**  
+65.6846.1214

## Data Sharing

Numerous methods are available to share data with the LVS-95XX; listed below are three examples:

1. Reports and ReportData Tables
2. Retrieving Results by Reference
3. Listening to the Serial Port (COM1)

All verification results are stored in a Microsoft Jet 4.0 database. The database is compatible with Microsoft Access 2000 or newer. Default location of the database:

- Windows XP: C:\Program Files\I9500\I9500.mdb
- Windows 7: C:\ProgramData\I9500\I9500.mdb

## Reports and ReportData Tables

Two tables store the results: Reports and ReportData. Each table is described below.

### Reports

The Reports table contains one record per verification. The fields are listed below:

Field	Description
ReportID	System-generated unique number.
SectorID	Usually 1 but could be > 1 if there is more than one sector.
LclTime	Local time that the report was generated.
GmtTime	GMT (Greenwich Mean Time) that the report was generated.
X1	X start coordinate for drawing the box on the thumbnail.
Y1	Y start coordinate for drawing the box on the thumbnail.
SizeX	Size of box starting from X.
SizeY	Size of box starting from Y.
Reference	Reference as set up on the <b>Setup</b> tab.
OverallGrade	Overall grade.
DecodedText	Decoded text.
Thumbnail	The thumbnail of the barcode (Binary Large Object).

### ReportData

The ReportData table contains more than one record per verification; this is a one-to-many relationship with the Reports table.

Field	Description
ReportID	Links to <b>ReportID</b> in the Reports table.
Category	Indicates where to place the data on the report.
Sequence	Indicates where to place the data on the report.
ParameterName	Parameter name for the printed report.
ParameterValue	Value for each parameter.

## Retrieving Results by Reference

If **Reference** is selected on the **Setup** screen, results can be viewed and exported from the **Archive** screen. The files are exported as text files and are delimited with the vertical bar character "|" (ASCII Decimal 124). The files have a file extension of VBD (Vertical Bar Delimited). Commas are not used, as commas are decimal separators in some regional settings. The files can be imported into most spreadsheets or databases. To import into Microsoft Excel, follow the steps below:

1. Open a new spreadsheet.
2. Click **Data > Import External Data > Import Data**.
3. Locate and open the saved .VBD file.
4. Choose **Delimited** and then click **Next**.
5. Switch off all other delimiters and check **Other**.
6. Type the vertical bar character in the box.
7. Click **Finish**.
8. Click **OK**.

## Listening to the Serial Port (COM1)

To make the LVS-95XX as flexible as possible, all results are published to Com 1. To test this feature and assist you in development, connect another computer to the verifier using a serial crossover cable and run an ASCII terminal application (HyperTerminal in Windows XP). The port settings on both the terminal and the LVS-95XX must be set as follows:

Baud	9600
Data Bits	8
Parity	None
Stop Bits	1
Flow Control	None

Each time you verify a barcode, the results appear on the terminal window. An application can be developed to take advantage of this feature to automate and integrate the LVS-95XX with your database or other application.

**Important:** To change CommPort settings, refer to the **Change CommPort Settings** section in **Appendix G: Special Features**.