



IDEAL NETWORKS

IDEAL DataCENTER





IDEAL DataCENTER

User Guide

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1. Introduction

IDEAL DataCENTER (IDC) is a software application which runs on Windows® PCs and tablet computers, and provides facilities for viewing, organising and printing test results downloaded from IDEAL's portable test equipment such as LanTEK III.

2. Installation and Launch

Minimum system requirements for optimum performance:

- CPU - Core™ i3 or better
- Operating System - Windows® Vista, 7 or 8 (Not Win RT)
- Free Memory - 2Gb
- Free Disk Space - 20Gb

To install the software:

- Download the latest version of the program IDC-x.x.x.x.exe from www.idealnetworks.net
- Run the installation program and follow the instructions on-screen

To launch the application:

- Launch the application by selecting the desktop icon:



DataCENTER

- Note that two or more instances of IDC can be run simultaneously, to allow comparison of two sets of data or to allow viewing of one set of data while printing another. However, having more than two instances open may degrade PC performance and is not recommended.

3. Projects, Sub-Projects, Jobs, Tests and Sub-Tests

IDC stores results within a Project. Start by opening a project, either by creating a new one or by opening an existing one.

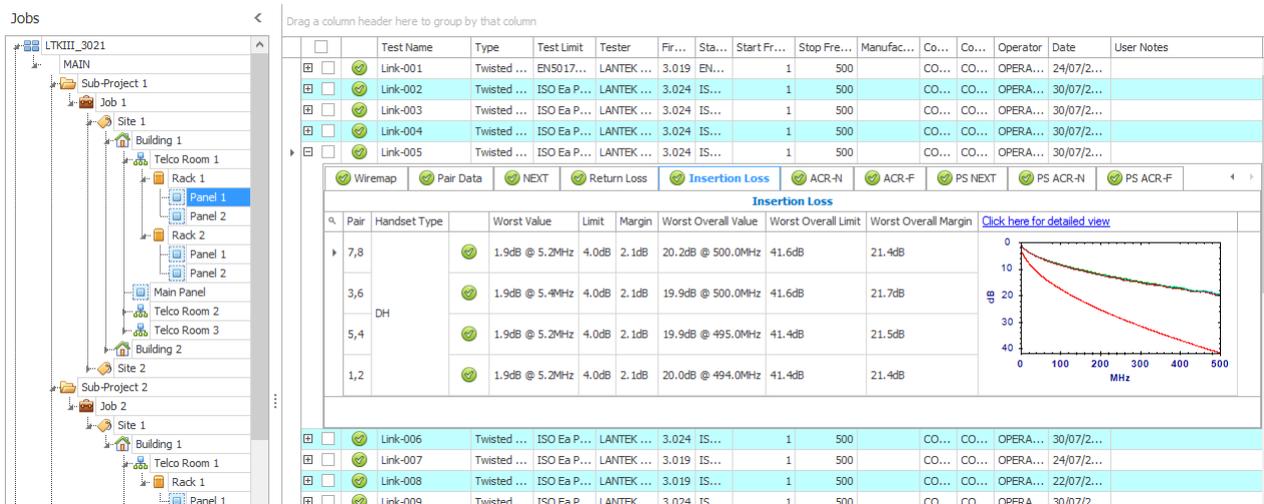
A Project can contain one or more Sub-Projects, each of which can contain one or more Jobs. Project names always have the extension .sdf. No more than one Project can be open at any time in each instance of IDC.

A Job can contain one or more Tests, but can only contain test data of one type of tester, eg. LanTEKIII or LanTEKII. The Job icon indicates the tester type. Job names always have the extension .job.

A Test can contain one or more Sub-Tests. Test names have an extension according to the type of tester on which they were made (eg. .LT2). (This extension is not displayed in IDC.)

A SubTest is a test of an individual parameter.

The following example shows the result of the Insertion Loss test for Link 005, in Panel 1, in Rack 1, in Telco Room 1, in Building 1, in Site 1. The tests are part of Job 1 which is contained in Sub-Project 1.



The screenshot shows the IDC software interface. On the left is a tree view of the project structure, including Site 1, Building 1, Telco Room 1, Rack 1, and Panel 1. The main area displays a table of test results for various links. The 'Insertion Loss' test results for Link-005 are highlighted, showing a worst value of 1.9dB @ 5.2MHz and a margin of 21.4dB. A graph on the right shows the insertion loss curve for this link, with frequency on the x-axis (0 to 500 MHz) and loss on the y-axis (0 to 40 dB).

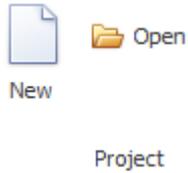
Test Name	Type	Test Limit	Tester	Fir...	Sta...	Start Fr...	Stop Fre...	Manufac...	Co...	Co...	Operator	Date	User Notes
Link-001	Twisted ...	EN5017...	LANTEK ...	3,019	EN...	1	500	CO...	CO...	OPERA...	24/07/2...		
Link-002	Twisted ...	ISO Ea P...	LANTEK ...	3,024	IS...	1	500	CO...	CO...	OPERA...	30/07/2...		
Link-003	Twisted ...	ISO Ea P...	LANTEK ...	3,024	IS...	1	500	CO...	CO...	OPERA...	30/07/2...		
Link-004	Twisted ...	ISO Ea P...	LANTEK ...	3,024	IS...	1	500	CO...	CO...	OPERA...	30/07/2...		
Link-005	Twisted ...	ISO Ea P...	LANTEK ...	3,024	IS...	1	500	CO...	CO...	OPERA...	30/07/2...		
Link-006	Twisted ...	ISO Ea P...	LANTEK ...	3,019	IS...	1	500	CO...	CO...	OPERA...	24/07/2...		
Link-007	Twisted ...	ISO Ea P...	LANTEK ...	3,019	IS...	1	500	CO...	CO...	OPERA...	22/07/2...		
Link-008	Twisted ...	ISO Ea P...	LANTEK ...	3,019	IS...	1	500	CO...	CO...	OPERA...	30/07/2...		
Link-009	Twisted ...	ISO Ea P...	LANTEK ...	3,024	IS...	1	500	CO...	CO...	OPERA...	30/07/2...		

To Add, Edit, Cut, Copy, Remove, Rename or show the Parent Trail of an item:

- Right-click the item
- Enter the required details

4. Uploading test results into IDEAL DataCENTER

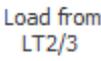
Test results can be uploaded either directly from a tester or from a location on the PC or network. Before uploading, a Project must be open. Create a new Project or open an existing Project file (.sdf):



To upload results from a tester:

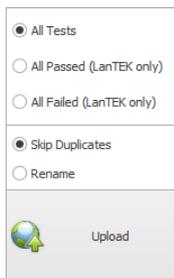
- Connect the tester to the PC using the USB cable supplied (6011-50-0081) or a suitable alternative USB Type A to USB Mini-A cable.
- Switch the tester on and give your PC some time to recognize the tester.

L2/3

- In the IDC screen select  . This will upload all results from the tester.

To upload results from a location on the PC or network:

- Select  **Load Tests** at the bottom of the left-hand navigation pane
- Navigate to the folder where the results are stored.
- Filter the results if required (eg you can choose to upload only Passed results), then select Upload in the bottom right-hand control box.

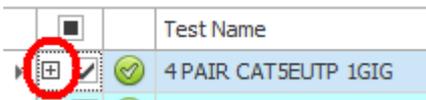


When uploading is complete, select  **Jobs** at the bottom of the left-hand navigation pane. Results are listed by Job name.

5. Viewing test results

To view test results:

- Select the required Job from the left-hand navigation pane
- Customise the view as required:
 - Drag column headings left / right to re-arrange their order
 - Drag column headings into the box above the table to sort by that heading
 - Drag column headings back into the table when they are not required to sort the view.
 - Right-click on the column header to open the column chooser where you can select additional columns.
 - Create display filters to show only the data you want. Right-click on any column header then select Filter Editor. In the Filter Editor window:
 - Select the **red** field to change the logical operator (eg AND, OR etc)
 - Select the **blue** field to change the filter parameter
 - Select the **green** field to change the comparator (eg = , < etc)
 - Select the **grey** field to enter the comparison value
 - Select **+** to add more filter conditions
 - Select **x** to remove the selected filter condition
 - To filter the results displayed by PASS / FAIL / ALL, Right Click on any column header then select Show Auto Filter Row. Select **☑** at the top of the PASS / FAIL column to change the auto filter setting.
- Open the required Test by selecting the “+” sign next to its name



	Test Name
+	4 PAIR CAT5EUTP 1GIG

- Choose a Summary or Sub-Test by selecting the appropriate tab

ester	Firmware	Test St...	Start Fre
ANTEK II-10...	2,027	754.56...	
<input checked="" type="checkbox"/> Return Loss	<input checked="" type="checkbox"/> Insertion Loss	<input checked="" type="checkbox"/> ACF	
t Overall Value Overall Result:			Worst Overall

- For results which contain a graph as well as a numerical table, double-click the graph to expand the view.



- Select **Summary** to include a summary organised by test type above the main table
- Right Click on the test name to edit the test details including test Name, Company, Contractor and operator, and to add notes.
- To search for text anywhere inside the test details, Right Click on any column header then select Show Find Panel.

6. Printing test reports

To print a test report:

1 - Enter your details and the customer's details

2 - Import your logo

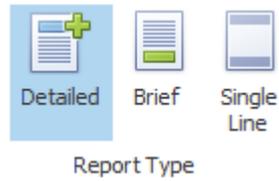
3 - Select tests to print

4 - Generate test report

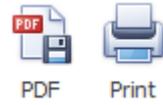
- Select the tests required to be included in the report by ticking the boxes next to their names or select all tests by ticking the single box above them. (Alternatively, you can apply any of the filter functions, then select the filtered tests and print them.)

Drag a column header here to group

<input type="checkbox"/>	Test Name
<input checked="" type="checkbox"/>	CAT6UTP NEW SW
<input type="checkbox"/>	CAT6UTP SW2.015
<input checked="" type="checkbox"/>	CAT6UTP SW2.015
<input type="checkbox"/>	CAT6UTP SW2.022
<input type="checkbox"/>	CAT6UTP SW2.022



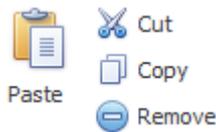
- Select the style of report required



- Select PDF or Print to generate the report

7. Tools

- Use the Clipboard to copy or move Tests from one Job to another and to delete Tests. Note that if a Test is duplicated inside a single Job, an asterisk (*) is appended to its Test name.



- Use Options to customise the length units and the appearance of the Wiremap and charts, and use Localisation to select the menu language.
- Use Utilities to compact the open project (reduce its size by removing empty space following deletion of tests), to repair corrupted files and to update the tester firmware.



- Select **Save As** to save the current project.



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