i-Dash: Technical Data Sheet

i-Dash Display System

Software Specifications

1) Data Display Capabilities: I-Dash allows the user to gather data from **web services** or external files created manually or by external systems in the form of **xml** or **excel** and can be displayed in a **tabular format** or in **scrolling/fade ticker**. The same data can also be displayed in the form of various **animated charts** called Streme Charts.

2) Multimedia Capability Support: Movie, flash files, Tickers, PowerPoint viewer, Event Display, Animated agent, Ability to display time, date, countdown timers, label etc, Live TV input (for live TV input we will require additional TV Tuner hardware at Display end), RSS news feeds from internet support. Add on features supported by the software are IP Camera Integration, External Application, Excel Viewer, Grid display, Live video broadcast integration capability, Regional languages ticker support.

3) Integration and interfacing features: Vertical layout orientation for mounting vertical displays. Support for hardware rotation, software rotation and content rotation. Built in serial interface for display for communication with LCD Panel, support for Stereo Audio, should be capable of supporting touch screens, Optional Extensive hardware support like RFID, Printers etc., time Sync with central server for the player to keep correct date and time, Local update of ticker at Branch level.

Hardware Specifications:

Thin Client with

Configuration: Intel Atom 1.6GHz CPU, 1GB DDR2 RAM or above, 2GB Flash or above, 8 GB External storage or above, Power consumption less than 15 W under normal operation, Min 1024X768 Resolution supported on VGA/DVI/HDMI Output, Audio, Mic in, Stereo Audio Out, 4 USB Ports, 1 Serial Port., XPES OS.

Operating System: Low-power embedded hardware with XPES OS for higher reliability. Locked operating system to prevent any unauthorized writes to the system.
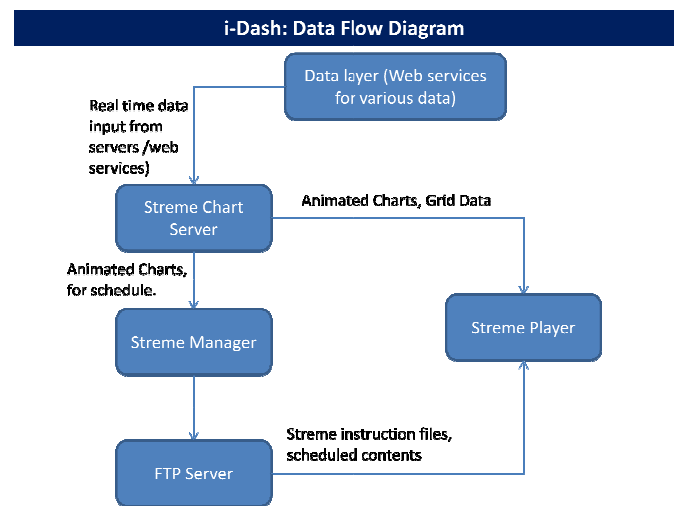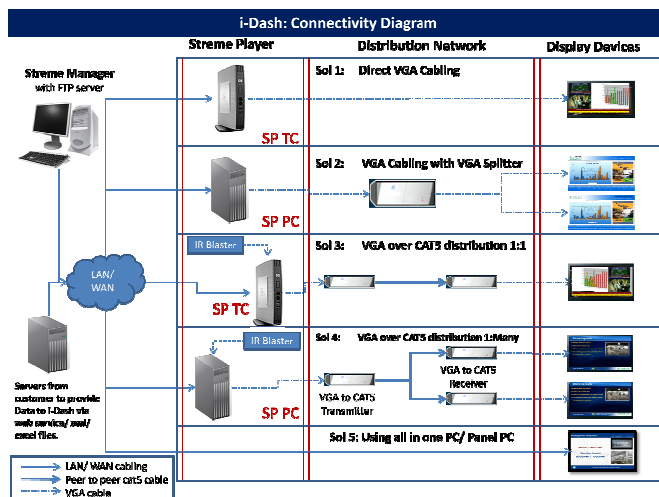
Or
PC with
Configuration: P4 Processor, 1GB RAM, 80GB HDD, 4 USB slots, VGA/ DVI/ HDMI output with resolution 1024 X 768 or higher.
Operating System: XP Professional.

Sample i-Dash display:

Diagrams:

i-Dash: Connectivity Diagram

Data flow diagram

i-Dash Manager/Central Server

Software Specifications

1) Scheduling – Contents and templates scheduling based on date, time is possible. Streme also supports event based scheduling of templates which are helpful for event boards and other similar usages.

2) Template Designing – Simple drag and drop interface. No complex numeric inputs required. Any number of windows on the template layout of any type. Playback limited by hardware only.

3) Network Types Support - Tested and verified for LAN capable of local area networks, LAN Capable of operating on virtual LANs defined over a wide area, FTP Data Transfer support, Wi-Fi LAN support with extra hardware installed.

Streme Charts:

Streme Chart allows you to define and display animated charts from the data provided in real time from various sources. It gives you the flexibility of defining the charts with different animations and colors. It allows the user to define the data source for the charts so that charts can be updated in real time. Data collaboration for charts and defining the charts are done centrally. Chart data is not transferred to the player. It resides in the chart server and player displays the charts using HTTP or HTTPS protocol.

Data Source for Streme Chart can be web services, xml file or excel files. Streme Charts can directly read data from **web services** with different functions and parameters and draw the animated charts in runtime. If there are various external applications which are generating data files or manual data files are being created for MIS reports, the same can be used in standard formats as the source of data for plotting the chart.

**Streme Chart Designer:**

Chart Types Supported:

Streme Chart supports both 2D and 3D charts in various forms like line, bar, column, stacked, area in single and multi series and 2D and 3D pie, doughnut in single series charts. Combination of different charts can also be used. It also supports dual scald Y-axis.

Sample Charts: Below are few sample images of different charts.
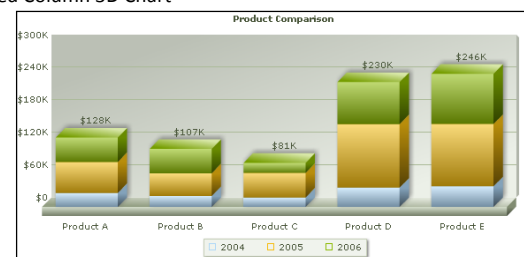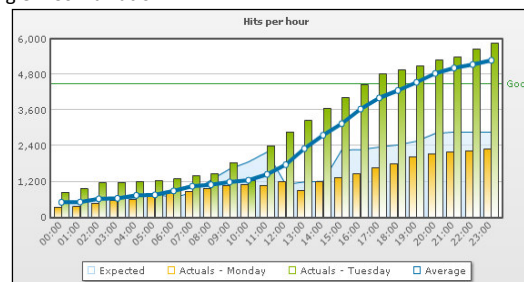
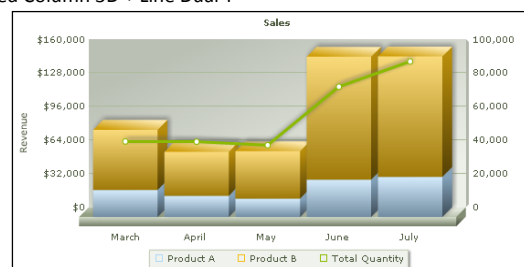Column 3D Chart
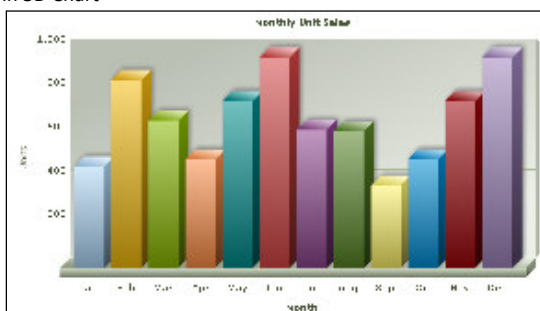
Line 2D Chart
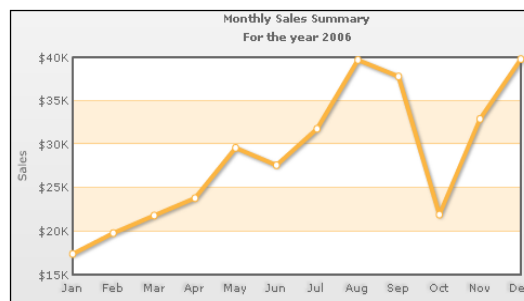
Stacked Column 3D Chart

2D Single Y Combination

Stacked Column 3D + Line Dual Y

Hardware Specifications

H/w configuration is Intel Core 2 Duo CPU, 2 GB DDR2 RAM, Secondary Storage 80 GB or more HDD, resolution 1024X768 or above, Audio Mic in, Stereo Audio Out, 4 USB Ports, 1 Serial Port, 17" LCD with touch screen, 10/100 Ethernet support.

Data Transfer Option: Scheduled downloads at specific time intervals, say everyone hour and at specific time say at 8PM and 11P from FTP server is supported. FTP Data transfer support with incremental download and resume on disconnect. Player Pulls data from FTP Server. FTP Server does not push data to players. So there is no requirement of running any application on the FTP Server. This allows us to select/use any FTP server running on any OS like Linux, Unix or Windows.