

DICE FIDS & HP Thin Clients Flight Information & Display Systems



Flight information and display systems (FIDS) are taken for granted but they are one of many crucial systems in airports. Without them, the passengers can get lost and the airport could descend into chaos. While it may look simple, the system requires a high-level of sophistication to run smoothly.

FIDS from DICE System

DICE System is a leader in Multi-users Flight Display Management Systems (MU-FDMS), which operates fully with web-browsers.

Comprehensive and flexible

DICE FIDS not only functions as a display wall showing simple scrolling information, but also is configurable for different functions such as gates, baggage handlers, check-in counters or transit counters. Layout and information for each of these functions can be easily defined and customized using templates. Templates can be defined to show static and dynamic contents,

allowing displays of advertisement, if necessary, for added revenue stream.

In-premise or cloud deployment

The system offers flexible ways for deployment. It can be housed in-premise such as airports or train stations for heavy and intensive data interaction display (eg for wall displays, holding rooms, gates/platforms, luggage belts, etc). It can also be offered as a cloud service for information displays and simple user interaction in public sites, such as in hotels or office complexes.

Life feed

Cloud implementation can receive and display life feed of 4000 flight movement information from major airports worldwide.

Highly secured

The system transfers data using web-services, which is built with dynamic socket numbers within the exchange sessions. The system comes with more than 1000 security-level access control.

No downtime

The DICE FIDS can run actively in multiple servers concurrently. The Flight Display controller automatically switches over to another active running server without downtime and intervention.

Advanced and robust solution for flight information and display system (FIDS)
DICE is an advanced and robust FIDS for small to large scale implementations. It is much more than a simple "display-wall" showing scrolling information.

Flexible and scalable, it caters for complex content displays, allowing multiple roles with unique information formatting for each.

It can be deployed in-house in large implementations or as a cloud service for a more simple and smaller deployment,

Low bandwidth requirement

The system architecture uses "Ajax" technology to refresh all required data fields, which significantly reduces the network bandwidth requirement for data communication.

Reliable backup and audit system

DICE system is a true enterprise-grade system. It has reliable backup with data compression to minimize storage requirements, as well as powerful logging and audit system.

Recording feature

The system has a built-in recording tool without additional or external hardware. This facility allows the administrator to replay and trace the contents that have been displayed in different monitors.

Heartbeats

DICE system has heartbeat system. This allows users to differentiate a system in operation with no information from a breakdown (e.g. when there is no flight or when gate is unassigned).

Standard and universal language

DICE system is built using standard programming languages. This allows easy customization and expansion, whenever required.

Implementations at other transport modes and public sites

While FIDS is designed for airport operation, it can be implemented in other transport modes such as a train or bus network or ship/cruise terminals, showing departure and arrival information. It also can be used to feed such information to other public sites such as hotels or parks, where applicable.



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HP Thin Clients

Different from traditional personal computers, the HP Thin Client is designed for task-oriented, specific use-cases such as a complex information display system, cloud/VDI-access or others.

Key attributes of the HP Thin Client make it a perfect match to drive the displays in a flight information display system.

Higher reliability

Reliability is a critically key attribute for an information display system. The fan-less design and solid-state storage greatly improves the reliability of HP Thin Clients to operate 24x7 as required in many such systems.

Compact design

The slim, compact, design of HP Thin Clients makes it easy to mount behind the display screens.

Drive multiple screens

A single unit HP Thin Client can drive 2, 4 or 6 display screens, each up to 4k resolution.

Support for fiber-optic networks

HP Thin Clients support fiber-optic network interfaces (FNIC) that may be required for these systems in large areas or buildings such as airports, train/bus stations, or convention-centers. FNIC offers fast, secured, low latency and long-distance nodes.

Embedded operating system

HP Thin Clients run on a Windows Embedded operating system, with enhanced security, added reliability and smaller OS footprint.

Device-level management

HP Thin Client is highly manageable on-line with extensive useful features to remotely manage the devices in installation, in dispersed locations such as airports.

Warranty and worldwide support services

HP Thin Client carries 3-year warranty and HP provides peerless post-sales support and services worldwide.

Learn more at:

hp.com/go/thinclient

dicefids.com

The reliable HP Thin Client is a perfect driver for digital flight information displays

HP Thin Clients are suitable for such systems due to their higher reliability, security, device-level management and being backed up by a 3-year warranty and unmatched world class support services.

