

## Description

PRIZM DDC is a component of the PRIZM MUFIDS system. It consists of Windows software loaded onto a Display Driver Computer (DDC) for the purposes of managing and displaying content on the attached display(s). Depending on the capabilities of the DDC hardware, PRIZM DDC may drive up to two separate displays from a single computer. The types of content include FIDS (Flight Information Displays), GIDS (Gate Information Displays), BIDS (Baggage Information Displays), Bulletin Board Displays, advertising content, visual messaging and screen savers.

The PRIZM DDC allows for interruption of ongoing content to display paging announcement text in sync with public address system audio. This synchronization is compliant with US Americans with Disabilities Act (ADA) requirements. After the paging text is complete, the PRIZM DDC resumes the content assigned to the display(s).

## Features

Features of PRIZM DDC include the following:

- Displays different content in one or more panels on one or more displays driven from the same computer.
- Monitors content provided by PRIZM Gen for changes and updates displayed pages within four seconds of a change.
- Smartly updates page content, so the screen will not do a complete page refresh (flash) when only some content is updated. For example, a status change on one flight on a FIDS display will not do a complete page refresh, but only update the affected line.
- Can render all standard content file formats used in web pages, ranging from static file formats like bitmaps (.bmp or .png) and JPEG to animation and movie formats like Flash, AVI, WMV, etc.
- Synchronizes its advertising play list from PRIZM Scheduler. The play list is the sequence of content to play in a round-robin fashion, with durations of each played item identified.
- Downloads needed advertising content to its local hard drive storage in the background to minimize network bandwidth demands for playing advertisements. This is particularly beneficial for animations and full-motion video.
- Tracks the number of plays of advertising content for reporting back to the billing module within PRIZM Scheduler.

- Automatically switches between flight display and advertisements depending on whether flights are available for that display (e.g., on a gate display in between flights)
- Communicates with IED's Fault Logger so that the logger can monitor the status of the DDC computers and the network connections to them.
- Pre-empt background content to display paging announcement text (full screen). This text display is done using smooth variable-rate scrolling from bottom to top, with the timing of the scrolling done in such a way that the audio and text are synchronized, in full compliance with ADA requirements.

Optionally, PRIZM DDC may be configured to use the computer's serial port to interface with hardware commonly referred to as gate input devices or tugman devices (i.e., simple keypad entry devices).

It is also possible to provide PRIZM DDC enabled to only display paging announcement text over top of display content/rendering provided by third parties (the last bullet in the feature list). When not displaying paging text, PRIZM DDC is invisible so the other content may occupy the screen(s).

## System Requirements

PRIZM DDC requires a computer running Microsoft Windows XP (embedded or desktop editions), with sufficient RAM and powerful enough graphics card(s) to handle the graphic updates without hiccups or stutters. As these offerings are constantly changing, consult IED Sales or Application Engineers for recommendations to order compatible machines.

For most applications, PRIZM DDC requires access to a server loaded with the PRIZM Core. If advertising content is desired, the PRIZM Scheduler module is required.

**Please pick up a  
white courtesy phone  
and dial 0 for a  
message.**

Paging Announcement Text

Gate Display

**Flight:** **CO 5531** **Time:** **2:20 PM**

**Destination:** **Houston, IAH**

**Now boarding rows 6 and higher**

**Boarding**

**Dec 05, 2008** **3:26 PM**



Bulletin Board Display

Courtesy Announcement Messages		
Time	Name	Message
Final Call	AA 4287	Please proceed to gate C4 immediately.
11:09 AM		Item Left At Security: a purse
11:09 AM		Item Left At Security: a wallet
11:09 AM	Kevin Martin	Pickup A White Courtesy Phone and Dial 0
11:05 AM	Ray Allen	Pickup A White Courtesy Phone and Dial 0
11:05 AM	Chris Owens	Pickup A White Courtesy Phone and Dial 0
11:05 AM	Jill Mullaney	Pickup A White Courtesy Phone and Dial 0
11:04 AM	Sue Miller	Meet Your Party: at the information desk.
11:00 AM	Jeff Clark	Meet Your Party: at lower curbside
10:41 AM	John Johnson	Pickup A White Courtesy Phone and Dial 0
10:41 AM	Mark Lewellyn	Pickup A White Courtesy Phone and Dial 0
10:41 AM		Item Left At Security: a laptop computer
10:40 AM	Julio Martinez	Meet Your Party: at Baggage Claim C
10:36 AM	Steve Young	Meet Your Party: at the information desk.
10:32 AM	Hardy Martin	Pickup A White Courtesy Phone and Dial 0
10:25 AM		Item Left At Security: a cell phone
<b>Dec 05, 2008</b>		<b>11:13 AM</b>

Single Arrivals Display

Aloha and Welcome to HONOLULU INTERNATIONAL AIRPORT					
Arriving From	Airline	Flight	Time	Claim	Remarks
Charlotte	US AIR	US 2677	2:43 PM		Delayed
Charlotte	US AIR	US 2263	3:41 PM		Arrived
Tampa/St. Petersburg	Southwest	WN 101	3:50 PM		Arrived
Chicago, O'Hare	UNITED	UA 7507	4:00 PM		Arrived
Denver	Frontier	F9 362	4:04 PM		Delayed
Atlanta	Delta Connection	DL 4949	4:11 PM		
Newark	Continental	CO 2925	4:42 PM		Delayed
Detroit	Delta Connection	DL 6199	4:45 PM		
Phoenix	Southwest	WN 3515	4:45 PM		
Cincinnati	Delta Connection	DL 6200	4:58 PM		
Chicago, O'Hare	American Airlines	AA 5064	5:10 PM		
Memphis	Delta Connection	DL 6008	5:10 PM		
New York, LaGuardia	US AIR	US 3907	5:18 PM		Delayed
Atlanta	Delta Connection	DL 5114	5:32 PM		
Charlotte	US AIR	US 2370	5:34 PM		
<b>Jun 22, 2010</b>					<b>4:01 PM</b>

Split Arrivals/Departures Display

Aloha and welcome to HILO INTERNATIONAL AIRPORT					
Departing To	Airline	Flight	Time	Gate	Remarks
Dallas/Fort Worth	American Airlines	AA 1971	4:00 PM		
Washington, National	US AIR	US 3370	4:10 PM		
Charlotte	US AIR	US 2211	4:11 PM		
Chicago, Midway	Southwest	WN 101	4:15 PM		
Atlanta	Delta Connection	DL 5156	4:39 PM		
Denver	UNITED	UA 7665	4:41 PM		
Denver	Frontier	F9 843	4:44 PM		
Arriving From	Airline	Flight	Time	Claim	Remarks
Charlotte	US AIR	US 2677	2:43 PM		Delayed
Tampa/St. Petersburg	Southwest	WN 101	3:50 PM		Arrived
Chicago, O'Hare	UNITED	UA 7507	4:00 PM		Arrived
Denver	Frontier	F9 362	4:04 PM		
Atlanta	Delta Connection	DL 4949	4:11 PM		Arrived
Newark	Continental	CO 2925	4:42 PM		Delayed
Detroit	Delta Connection	DL 6199	4:45 PM		
<b>Jun 22, 2010</b>					<b>4:04 PM</b>