PRODUCT DASHBOARD / 01

Honeywell 51401286-100

Enhanced Peripheral Display Generator

Core function	Exact identity
Enhanced Peripheral Display Generator board for Universal Station display service in five- and ten-slot module configurations.	Honeywell 51401286-100
Engineering source	**Acceptance scope**
Honeywell Five/Ten-Slot Module Service LC13-500, September 1995, pages 2-6, 2-7, 2-24 and 3-10	Identity, interface, configuration and functional response must agree before service.

SYSTEM POSITION

DISPLAY / STATION	EPDG I/O	51401286-100	MODULE PROCESSOR
Operator display service	Rear I/O interface	Display generation	Station coordination

TECHNICAL HIGHLIGHTS

Dual operating context	Display-generator role	Cartridge-disk interface	Service diagnostics
Works as EPDG with the matching EPDG-family I/O board or as PDG with the PDG I/O board.	Provides the Enhanced Peripheral Display Generator function in the listed module configurations.	The EPDG configuration includes a Cartridge Disk interface.	Board and I/O-card checks are separated by SELF TST/ERR, PASS MOD TEST and BUS TRAN ERR indications.

INSTALLED USES

Universal Station display service	Five-slot module maintenance	Ten-slot module maintenance	Display fault isolation
Maintains the display-generator position in a documented Universal Station configuration.	Supports controlled service of a five-slot module containing the EPDG position.	Supports the R500 ten-slot arrangement with the correct rear I/O board.	Guides separation of I/O-card, EPDG and processor-path faults from status indications.

TECHNICAL MATRIX / 02

Verified product data

Grouped facts retain the exact model, part number and engineering role.

Parameter	Verified value
Board type	EPDG
Part number	51401286-100
Board function	Enhanced Peripheral Display Generator
EPDG I/O pairing	EPDG or EPDGP I/O board
EPDG monitor	Noninterlaced monitor

Parameter	Verified value
EPDG additional interface	Cartridge Disk interface
EPDG minimum software	210M1
PDG-mode pairing	PDG I/O board and interlaced monitor
PDG-mode minimum software	200
R500 Universal Station position	Slot 4 front

IDENTITY BOUNDARY

Identity field	Recorded value
Brand	Honeywell
Full model	51401286-100
Product type	Enhanced Peripheral Display Generator
Primary technical record	Honeywell Five/Ten-Slot Module Service LC13-500, September 1995, pages 2-6, 2-7, 2-24 and 3-10

ACCEPTANCE SNAPSHOT

Identity	I/O pairing	Monitor path	Self test
51401286-100 and EPDG marking agree with the work package	Rear board matches the documented EPDG or EPDGP arrangement	Noninterlaced display path operates without abnormal synchronization	SELF TST/ERR clears after startup

SELECTION RULE

Use the complete marking and the installed interface, configuration and controlled project record; a nearby model or suffix is not a substitute for this identity.

APPLICATION MAP / 03

Installed-system uses

Each use case is framed around the product's confirmed hardware role.

Universal Station display service

Maintains the display-generator position in a documented Universal Station configuration.

Five-slot module maintenance

Supports controlled service of a five-slot module containing the EPDG position.

Ten-slot module maintenance

Supports the R500 ten-slot arrangement with the correct rear I/O board.

Display fault isolation

Guides separation of I/O-card, EPDG and processor-path faults from status indications.

INTEGRATION REVIEW

Physical identity

Match board, assembly, terminal or slot details.

Configuration identity

Match address, channel, operating mode or power-plan value.

Interface identity

Match companion hardware and field-side connections.

Functional identity

Prove the intended display, network, output or pulse response.

ENGINEERING QUESTIONS

What board type is Honeywell 51401286-100?

Honeywell 51401286-100 is the EPDG Enhanced Peripheral Display Generator board.

Which I/O boards support the EPDG mode of Honeywell 51401286-100?

EPDG mode uses an EPDG or EPDGP I/O board with a noninterlaced monitor.

What interface is included with Honeywell 51401286-100 in EPDG operation?

The EPDG arrangement includes a Cartridge Disk interface.

Which minimum software release applies to Honeywell 51401286-100 in EPDG mode?

The minimum listed software release for the EPDG configuration is 210M1.

CONTROLLED CHANGE PATH

CAPTURE	ISOLATE	INSTALL	TEST	RELEASE
As-found identity	Safe work boundary	Exact product and interface	Product-specific acceptance	As-left evidence

ENGINEERING DECISIONS / 04

FAQ and product precautions

Questions address exact technical decisions; precautions control the corresponding field work.

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What interface is included with Honeywell 51401286-100 in EPDG operation?

The EPDG arrangement includes a Cartridge Disk interface.

Which minimum software release applies to Honeywell 51401286-100 in EPDG mode?

The minimum listed software release for the EPDG configuration is 210M1.

Can Honeywell 51401286-100 operate with a PDG I/O board?

Yes. With a PDG I/O board and interlaced monitor, the board operates as a PDG and the listed minimum software release is 200.

Where is Honeywell 51401286-100 placed in the listed R500 Universal Station configuration?

The EPDG board is shown in front slot 4 with the applicable I/O board at the rear.

What isolation step is mandatory before handling Honeywell 51401286-100?

Module power must be removed before any board or I/O paddle board is installed or removed.

Which indicators guide troubleshooting of Honeywell 51401286-100?

SELF TST/ERR, PASS MOD TEST and BUS TRAN ERR states distinguish the EPDG, its I/O card and the processor path during fault isolation.

EIGHT PRODUCT PRECAUTIONS

1 Remove module power before installing or removing any board.	**2** Confirm the 51401286-100 marking before replacing the EPDG board.	**3** Match the rear EPDG or EPDGP I/O board to the documented monitor arrangement.	**4** Do not place an I/O paddle board in an incorrect slot.
5 Retain the configured software-release requirement for the installed operating mode.	**6** Inspect the EPDG and I/O-card mating path before reseating hardware.	**7** Use the SELF TST/ERR and PASS MOD TEST states to direct fault isolation.	**8** Prove the display and Cartridge Disk functions required by the station before handover.

FINAL TEST POINTS

Module test	Bus status	Disk interface	Handover
PASS MOD TEST reaches the expected healthy indication	No unresolved BUS TRAN ERR or related processor timeout remains	Required Cartridge Disk function completes the local check	Station display functions and status record are accepted

TRACEABILITY & SUPPORT / 05

Source, related portfolio and contact

Related pages are navigation references only and do not imply compatibility or substitution.

Traceability field	Recorded value
Manufacturer	Honeywell
Exact model	51401286-100
Technical source	Honeywell Five/Ten-Slot Module Service LC13-500, September 1995, pages 2-6, 2-7, 2-24 and 3-10
Handover requirement	Retain identity, configuration and test evidence for the installed product

HANDOVER CONTROLS

Dual operating context

Works as EPDG with the matching EPDG-family I/O board or as PDG with the PDG I/O board.

Display-generator role

Provides the Enhanced Peripheral Display Generator function in the listed module configurations.

Cartridge-disk interface

The EPDG configuration includes a Cartridge Disk interface.

Service diagnostics

Board and I/O-card checks are separated by SELF TST/ERR, PASS MOD TEST and BUS TRAN ERR indications.

RELATED HONEYWELL PRODUCTS

Honeywell 10300/1/1	FSC power-converter listing	View Honeywell 10300/1/1
Honeywell C7061F2001	Flame-detector listing	View Honeywell C7061F2001
Honeywell C7076A1015	Ultraviolet flame-detector listing	View Honeywell C7076A1015
Honeywell EC7850A1072	Burner-control hardware listing	View Honeywell EC7850A1072

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Honeywell 51401286-100