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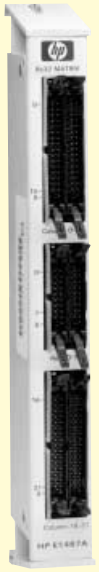
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Find the *Keysight / Agilent E1467A-Z2220-84401* at our website: *Click HERE*

Relay Matrix Expansion Terminal Block HP E1467A Opt 201 (Nonstandard Option)

- **Easy matrix expansion with the HP E1467A 8x32 matrix module**
- **Quick-access front-panel cable connectors with quick connect and disconnect of expansion cables**
- **Compatibility with HP Z2220A series coax expansion cables**

Module Size-Slots	N/A
Message- or Register-based	N/A
HP Foundations Supported	All
VXI*plug&play* Frameworks Supported	N/A



HP E1467A
Opt 201
Matrix Expansion
Terminal Block



Figure 1: Example 32 x 40 Matrix
(5-module row expansion)

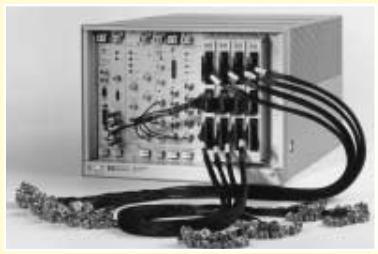


Figure 2: Example 8 x 128 Matrix
(4-module column expansion)

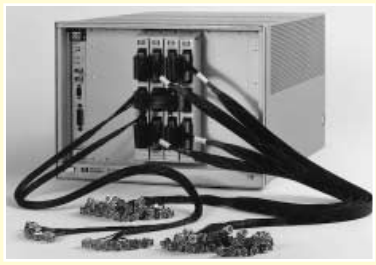


Figure 3: Example 16 x 64 Matrix
(4-module row and column expansion)

Caution **The HP E1467A Opt 201 is a custom (nonstandard) product. It is limited as follows:**

- **Full HP environmental specifications not tested**
- **Documentation abbreviated**
- **Some or all instrument drivers lacking**
- **On-site or HP repair center support not available**

Description

The matrix expansion terminal block can be ordered in place of the standard HP E1467A terminal block to provide an 8x32 matrix configuration that can easily be expanded. Compared to the daisy-chain cable (which requires each wire to be screwed into the screw terminal), the HP E1467A Opt 201 Terminal Block gives you quicker access and easier cable connections.

In addition to the variety of connections and lengths offered (see page 9.53 for cable ordering information), HP will custom-quote cables to match your specific application. Contact your local HP sales representative.

Configuration

Figures 1 through 3 show multiple HP E1467As connected as larger matrixes. Each matrix module is equipped with the HP E1467A Opt 201 expansion terminal block instead of the standard terminal block, and HP Z2220A series expansion cables.

The 32x40 configuration in Figure 1 is achieved by connecting all 32 columns on all five modules, allowing 40 (5x8) rows to switched to any of the columns. The four matrixes on the left each have 2-column expansion cables (HP Z2220A Opt 206), one on the top connector and one on the bottom connector, connected to the matrix to its right. The rightmost matrix shows two HP Z2220A Opt 536 cables bringing the column connections out as BNCs ready for connecting to the device under test or signal source. In addition, each matrix module uses one HP Z2220A Opt 436 cable, connected to the middle connector, to bring out the 40 row connections as BNCs.

Figure 2 shows four 8x32 matrix modules configured as an 8x128 matrix. All eight row connections on all four modules are in common, connected module-to-module by three HP Z2220A Opt 106 cables and brought out on BNC connectors by one HP Z2220A Opt 418 cable. Columns are kept separate, with each brought out to 128 BNCs using a total of eight HP Z2220A Opt 536 cables.

Figure 3 shows a 16x64 matrix combination of four HP E1467A matrix modules using the following HP Z2220A cables: four Opt 536 cables; two Opt 436 cables; four Opt 206 cables; one Opt 106 cable; one Opt 114 cable

The Z2220A Opt 300 16-channel to dual 8-channel cable (not shown) allows you to interconnect rows and columns. Many other matrix expansion configurations are possible.

Note: *It is not possible to attach the HP E1467A Opt 201 matrix expansion terminal block to either of the HP E1465A/66A matrix modules.*

SPECIFICATIONS

Electrical

Note: Specifications are the same as for the standard HP E1467A terminal block.

8-Channel Row Connectors: One 20-pin connector with high and low connection per row plus row connector shield pin. A parallel row connector is provided for easy chaining of multiple modules. Shield pins are common to all column connectors.

16-Channel Column Connectors: Two 32-pin connectors are provided with high and low connection per column plus column connector shield pin. Two parallel column connectors are also provided for easy chaining of multiple modules. Shield pins are common to all column connectors.

Cable Shielding

The connector shield pins mentioned above allow you to interconnect column and row shields when shielded twisted-pair cables are used. A three-screw terminal block resides inside the terminal block, allowing optional connection of the column or row cable shields to each other or to chassis ground.

Ordering Information

See page 9.50 for HP E1467A and Opt 201 ordering information

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