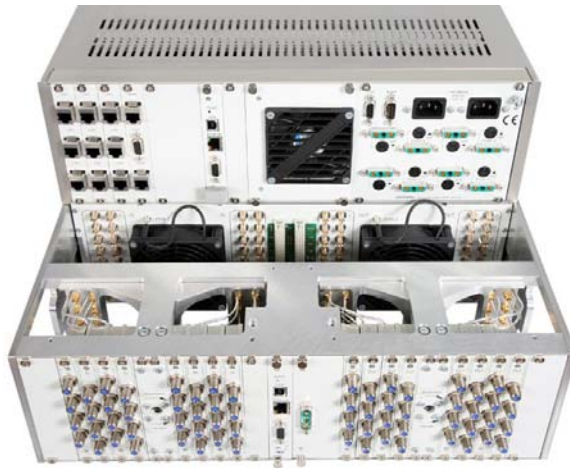


Software Upgradeable Distributing Matrices



Products:

DEV 1995/zz/nxm - nxm Distributing Matrix CATV-Band

DEV 1996/zz/nxm - nxm Distributing Matrix L-Band

and Upgrade Options:

DEV 1995/zz/i8_nxm - 8 additional inputs for a nxm Distributing Matrix CATV-Band

DEV 1995/zz/o8_nxm - 8 additional outputs for a nxm Distributing Matrix CATV-Band

DEV 1996/zz/i8_nxm - 8 additional inputs for a nxm Distributing Matrix L-Band

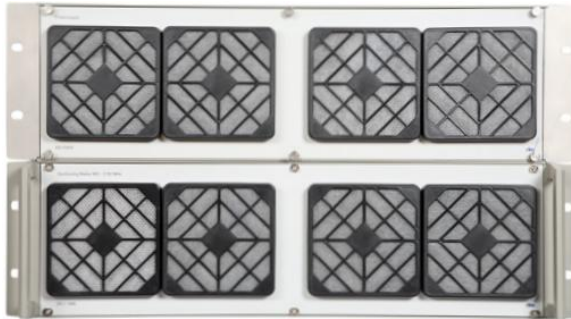
DEV 1996/zz/o8_nxm - 8 additional outputs for a nxm Distributing Matrix L-Band

Features:

- Series of Distributing Matrices with n Signal Inputs and m Signal Outputs
- Versions for CATV- and L-Band with 50 Ohm and 75 Ohm Impedance (zz) available

Application Areas:

- Satellite Ground Stations
- Cable Head End Stations



Front DEV 1996/zz/32x32



Rear DEV 1996/75/32x32

The Situation

There are various applications in the RF world which do require the safe and reliable switching and distribution of a high number of RF signals. For this kind of applications there is a need for a larger multi-purpose matrix instead of many single isolated solutions.

In many cases the maximum size of the final installation can be assessed very well, but for the early stage, a smaller number of inputs and/or outputs would be sufficient.

DEV worked out a Solution

To lower the initial costs of a larger matrix significantly and nevertheless being flexible in extending the capacity, DEV Systemtechnik has introduced a series of larger Distributing Matrices with a number of input and output signals to be selected in a flexible and sensible way. The customer has to determine the maximum required capacity and chooses one of the appropriate models with a reduced number of inputs and/or outputs. On the other hand, the number of inputs/outputs can be increased by ordering the corresponding upgrade option(s), up to the maximum capacity of the selected matrix model.

The Technical Concept

DEV Systemtechnik currently offers four size types of matrices with a reduced number of inputs and or outputs: 32x32, 32x64, 64x32 and 64x64. These matrices are available for the CATV-Band and for the L-Band in 50 Ohm and in 75 Ohm impedances. For the technical data of these maximum capacities, please refer to the corresponding data sheet.

The 32x32 matrices can be ordered in the following sizes: 16x24, 16x32, 24x16, 24x32, 32x16 and 32x24.

The 32x64 matrix is additionally available as 32x48 matrix and the 64x32 matrix is additionally available as 48x32 matrix.

The 64x64 can be reduced to the sizes 48x64 and 64x48.

All these matrices can be upgraded in increments of 8 for input and/or output ports up to their specific maximum capacity by ordering the corresponding upgrade option(s). This upgrade can be installed by the customer: onsite, online and is performed in no time! Please contact DEV Systemtechnik to discuss your specific requirements!

Order Information

All upgradeable matrices are available for the CATV-Band and for the L-Band; furthermore the impedances (50 Ohm with SMA connectors or 75 Ohm with precision F connectors) can be selected.

For your order, please specify:

x: 5 = CATV-Band OR 6 = L-Band
 zz: 50 = 50 Ohm Inputs & Outputs OR 75 = 75 Ohm Inputs & Outputs OR
 50-75 = 50 Ohm Inputs & 75 Ohm Outputs OR 75-50 = 75 Ohm Inputs & 50 Ohm Outputs

e.g. 1996/50-75/16x24 = 16x24 Distributing Matrix 6 RU L-Band 50 Ohm Inputs 75 Ohm Outputs

Maximum Capacity: 32x32:

DEV 199x/zz/16x24	16x24 Distributing Matrix 6 RU
DEV 199x/zz/16x32	16x32 Distributing Matrix 6 RU
DEV 199x/zz/24x16	24x16 Distributing Matrix 6 RU
DEV 199x/zz/24x24	24x24 Distributing Matrix 6 RU
DEV 199x/zz/24x32	24x32 Distributing Matrix 6 RU
DEV 199x/zz/32x16	32x16 Distributing Matrix 6 RU
DEV 199x/zz/32x24	32x24 Distributing Matrix 6 RU

Maximum Capacity: 32x64:

DEV 199x/zz/32x48	32x48 Distributing Matrix 9 RU
-------------------	--------------------------------

Maximum Capacity: 64x32:

DEV 199x/zz/48x32	48x32 Distributing Matrix 9 RU
-------------------	--------------------------------

Maximum Capacity: 64x64:

DEV 199x/zz/48x64	48x64 Distributing Matrix 15 RU
DEV 199x/zz/64x48	64x48 Distributing Matrix 15 RU

Upgrade Options:

Ordering the upgrade option(s) increases the number of inputs and/or outputs of your specific matrix in increments of 8.

E.g. if your model is a 1996/50/16x24 = 16x24 Distributing Matrix 6 RU L-Band 50 Ohm In-/Outputs

ordering **2 times DEV 1996/50/i8_32x32** increases the size of your matrix to a

1996/50/32x24 = 32x24 Distributing Matrix 6 RU L-Band 50 Ohm Inputs/Outputs

DEV 199x/zz/i8_nxm	8 Additional Inputs for a nxm Matrix (with nxm = 32x32, 32x64, 64x32 or 64x64)
DEV 199x/zz/o8_nxm	8 Additional Outputs for a nxm Matrix (with nxm = 32x32, 32x64, 64x32 or 64x64)

Contact

DEV Systemtechnik GmbH & Co. KG
 Grüner Weg 4A
 D-61169 Friedberg
 Tel.: +49 (0) 6031 18999-0
 Fax: +49 (0) 6031 18999-15
 E-Mail: info@dev-systemtechnik.com
 URL: <http://www.dev-systemtechnik.com>

Rev. 23-OCT-2008