

SIRIUS 3G CROSSPOINT CARDS USER GUIDE



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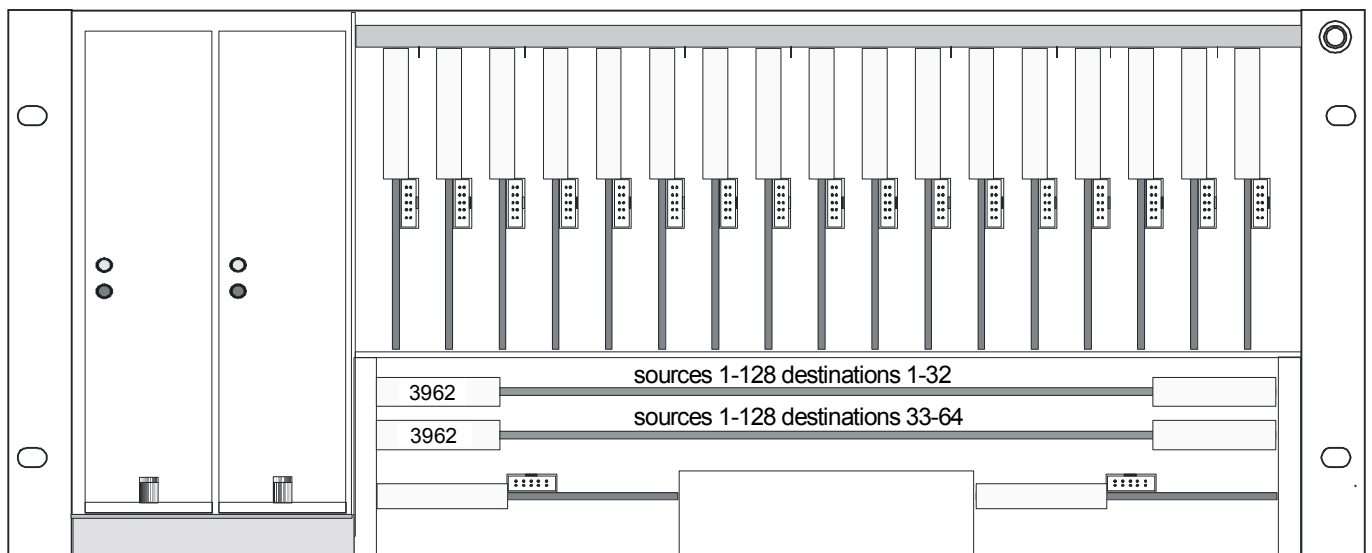
1 4U & 7U Frames

1.1 The 3962 3G Crosspoint Card

The 3962 3G crosspoint card fits into a Sirius 4U or 7U frame and provides 128x32 crosspoints for routing any digital signals up to 3 Gb/s. This crosspoint card will therefore work in conjunction with the Sirius 3G, HD, SDV and AES cards, as well as the analogue converter, or 'hybrid' cards. Routers may be constructed to function in a mixed analogue/digital environment, with eight-channel modularity.

1.1.1 4U Frame

The location and function of 3962 crosspoint cards in a 4U frame are as follows:

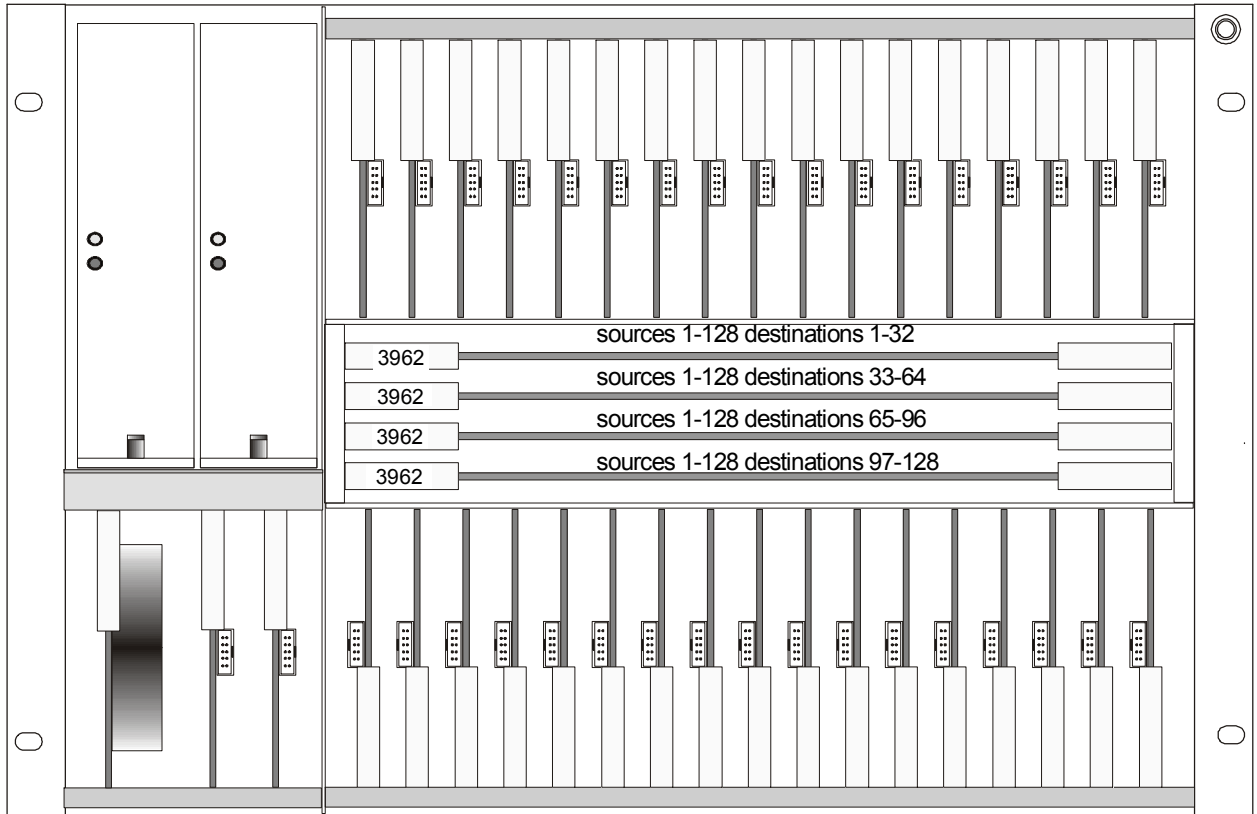


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1.1.2 7U Frame

The location and function of 3962 crosspoint cards in a 7U frame are as follows:



There are no user adjustments or settings on the 3962 card. LED indications show the presence of the three power rails. All power rails are derived from the 48V Sirius PSUs and converted locally. On the 3962 card, one converter supplies 3.3V and 2.5V and the other supplies 1.2V. There are four test points, 0V, 1.2V, 2.5, and 3.3V. If necessary, check rails and LED's.

One crosspoint chip is fitted to the card, with a capacity of 144x144.



2 16U Frame

2.1 The 3969 3G Crosspoint Card

The 3969 3G crosspoint card fits into a Sirius 16U frame and provides 256x64 crosspoints for routing any digital signals up to 3 Gb/s. This crosspoint card will therefore work in conjunction with the Sirius 3G HD, SDV and AES cards, as well as the analogue converter, or 'hybrid' cards. Routers may be constructed to function in a mixed analogue/digital environment, with eight-channel modularity.

On the 3908 card, one converter supplies 3.3V and 2.5V and the other supplies 1.2V. There are four test points, 0V, 1.2V, 2.5, and 3.3V. If necessary, check rails and LED's.

The location and function of 3969 crosspoint cards in a 16U frame are as follows:

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