



Proposal for High performance 64 x 64 L-band Router

By

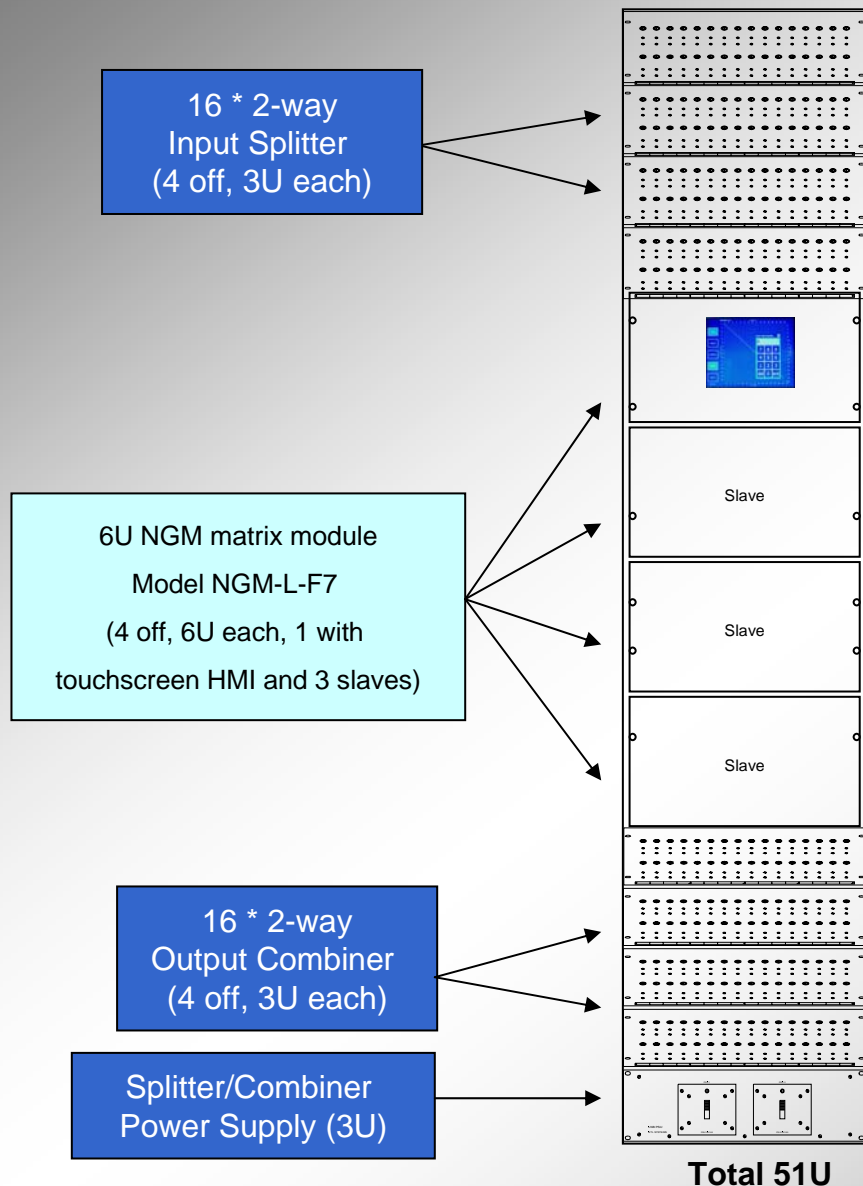
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64 x 64 matrix option (NGM based)



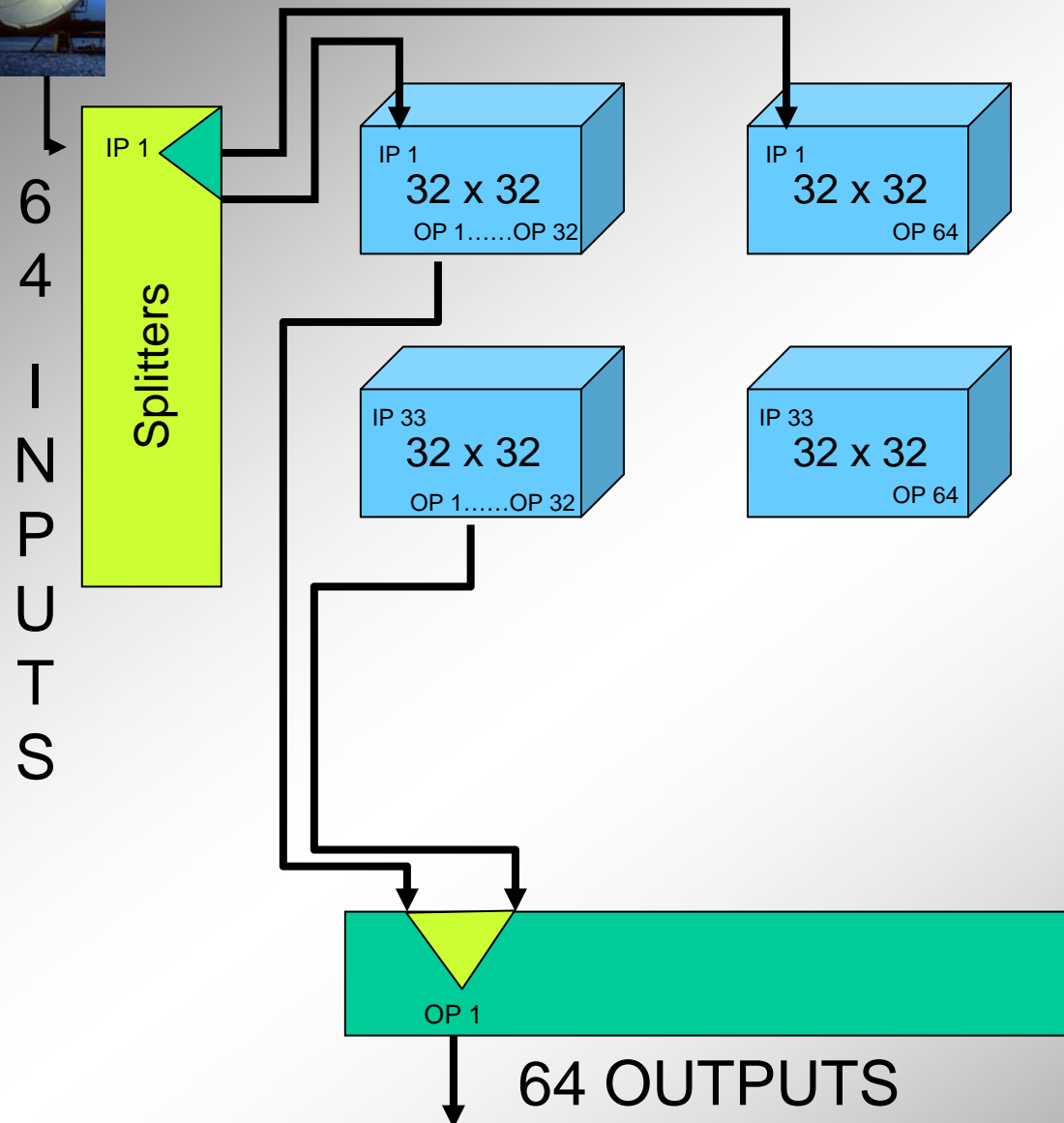
Note 1: This system design is based on ETLs new 6U NGM module

Note 2: This system is similar to one supplied recently for a TVIP installation in Continental Europe.

Note 3: Note suggested rack layout only



64 x 64 NiGMA Cabling Overview



The matrix comprises 4 matrix modules, input splitter and output combiner modules.



NiGMa Series – Switch Matrix



Our expandable matrix units are based on our new NiGMa NGM series matrix unit

- 32 x 32 L-band matrix
- 55 dB isolation
- +/- 2.0 dB flatness
- + 0 dBm 1 dB GCP
- Single card per input & output
- Hot swap cards
- Dual redundant hot swap CPU
- Dual redundant hot swap PSU
- Self diagnostics
- Touch screen local control / display
- 6U high unit

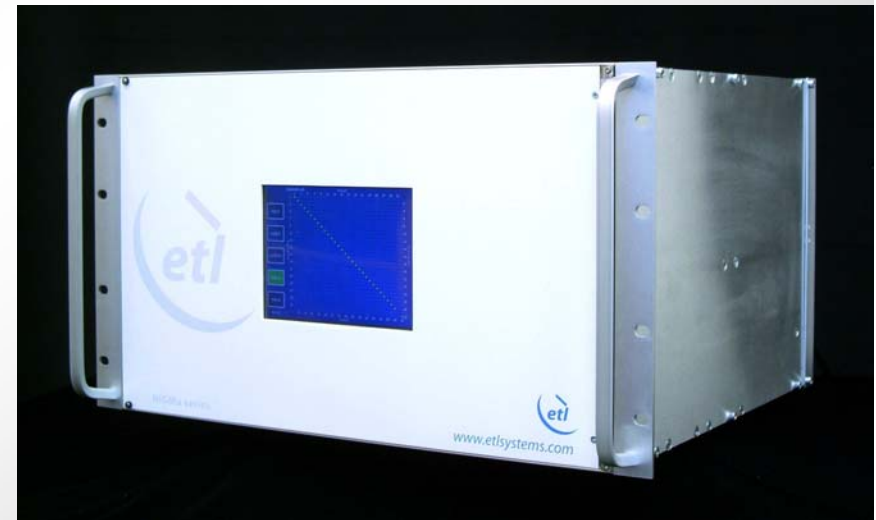


Fig. 1 - 6U NGM matrix module – with fully redundant active components and high performance.