

8 Grid lines via one fiber

Duplex fiber connection

Distance 10 km (SFP dependent)

No separate configuration required

PRODUCT INFORMATION

The Matrix Grid board replaces the standard I/O board generally used for matrix interconnection and significantly reduces cabling required between them. With the Matrix Grid board, 8 Grid lines that previously required 8 separate cable connections, are established using a single fiber connection. This

technology reduces cost and wiring effort without any reduction in performance. Compared to a CWDM solution, the conventional method of reducing the number of cables, the Matrix Grid board saves considerable cost. The plug-and-play capability of the Matrix Grid board simplifies

installation, and allows a separation of matrix locations to a distance of up to 10 km and beyond (depending on the type of SFP being used, which makes it an ideal solution for installations in large corporate sites).

PRODUCT FEATURES

- Reduction of required cables and infrastructure
- Less cables compared to Grid lines on standard I/O boards
- Less cost compared to CWDM
- Plug-and-play for an easy installation

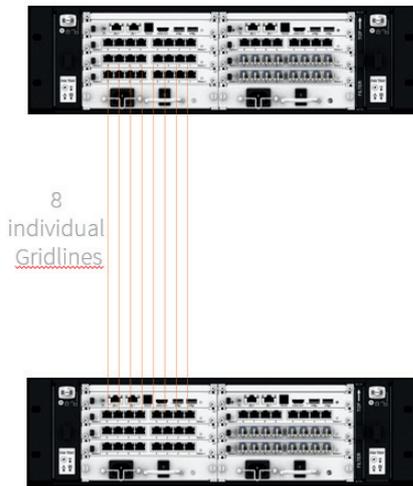
TECHNICAL DATA

Input and Output Interface	Fiber (LC duplex)	
Distance per connection (max.)	Single-Mode (9μ)	10 km (SFP dependent)
Requirements	Already configured matrix grid	

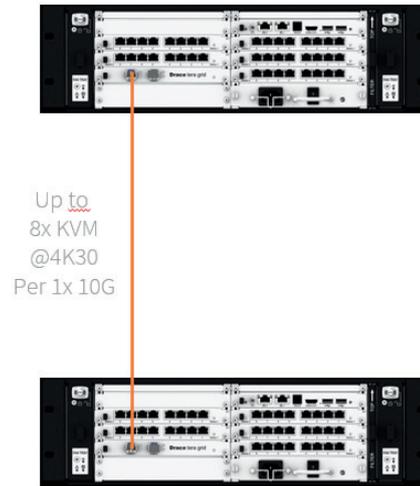
FUNCTIONAL DIAGRAMM

Direct Topology - 8x Grid Line

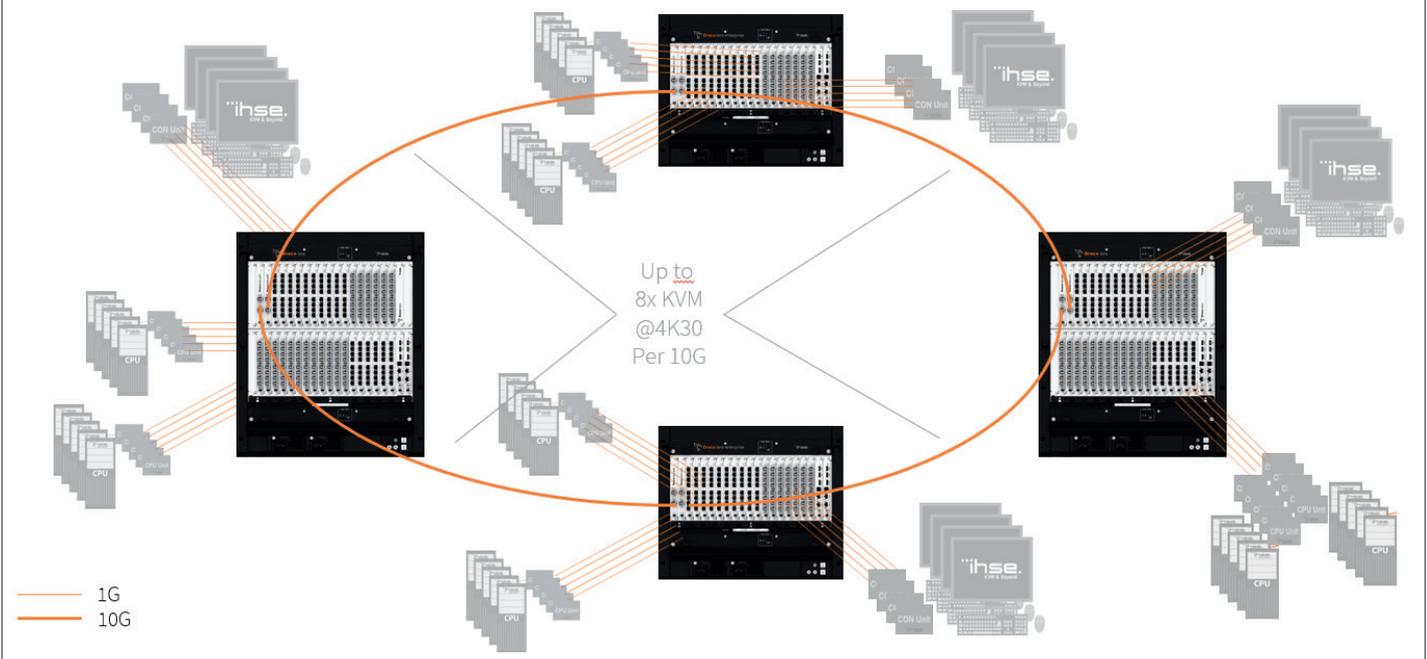
Without Grid Card



With Grid Card



Ring Topology - 4x Grid Line



ORDER NUMBERS

Matrix Grid I/O Board L3	DATA TRANSMISSION	PART NO.
Draco tera enterprise Grid board (8 to 1), LC duplex fiber, 10 km, 10G		480-GRD-S8R1
SFP single-mode, LC duplex, bidirectional, 10G, MSA, 10 km		459-10S10