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The Source for RF Reliability

QUALITY MANAGEMENT SYSTEM
CERTIFIED BY DNV
ISO 9001:2008

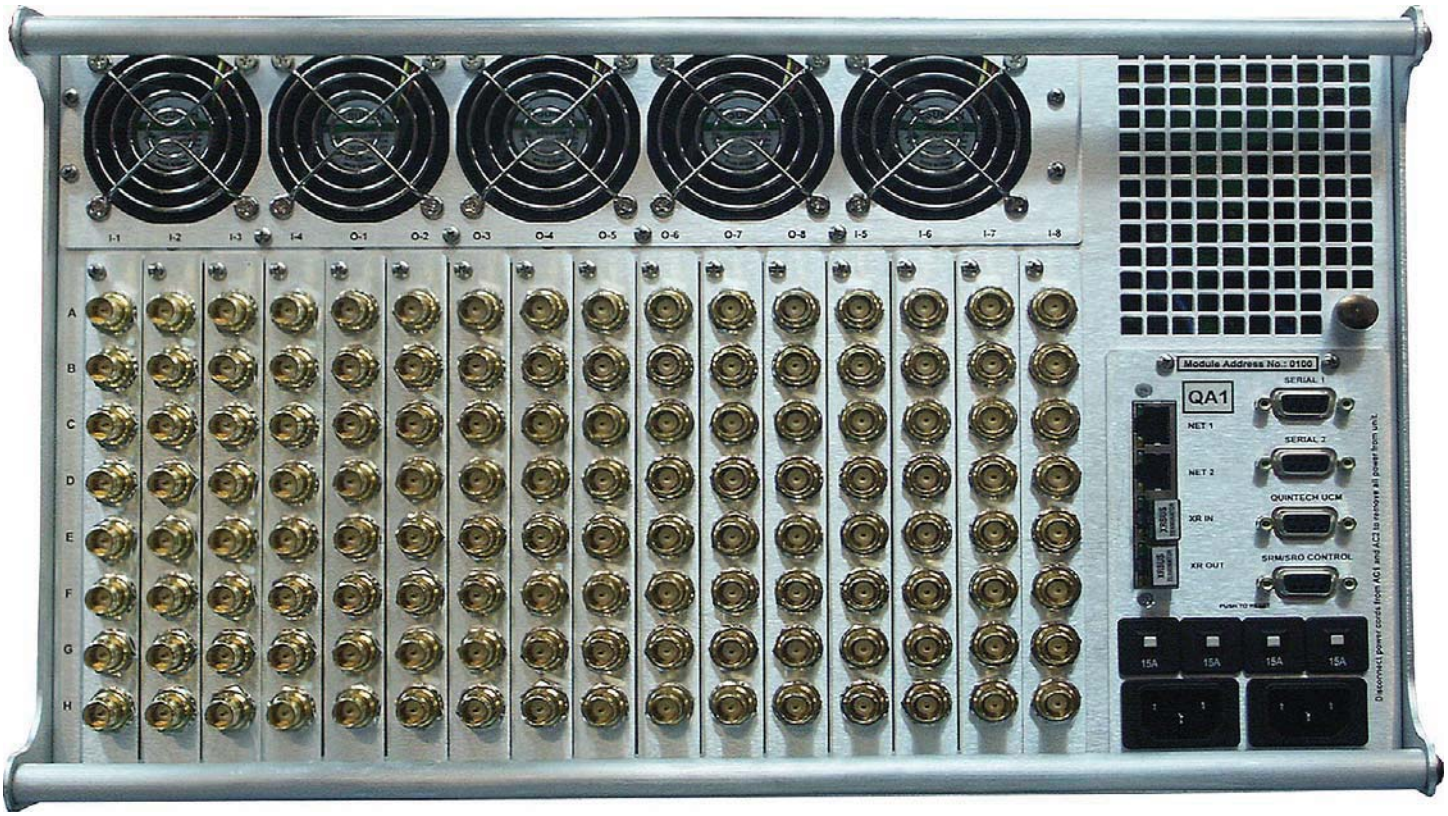
QE3 2500
QE3250064X64CAFFF009
Modular Hot-Swap Matrix Switching System with Q-Route & Q-Sense

General Description:

The **QE3250064X64CAFFF009** is a matrix switch and switching subsystem that provides a complete 64x64 matrix, including hot-swappable cards, redundant power supplies, and redundant system controllers in a 6 RU chassis. The modularity of the QE3 Matrix Switching System permits a wide variety of configurations ranging from 8x16 up to 1024x1024. Q-ROUTE provides internal signal path redundancy by automatically re-routing around a failed signal path. Q-SENSE provides external signal path redundancy by automatic switching of back-up input signals. The unit provides easy access to cards for seamless upgrades and maintenance via the front panel without requiring cables to be disconnected or disrupting the signal paths of other cards in the system.

Specifications:

Operating Frequency:	950-2150 MHz
Gain Range (manual mode):	-12 dB to +18 dB in 0.5 dB steps
Impedance:	75 Ω
P1dB:	0 dBm minimum
OIP^3	+10 dBm minimum
RF Input Power:	0 dBm maximum
RF Sensing and AGC Range:	-10 dBm to -50 dBm
Frequency Response:	± 1.5 dB ± 0.5 dB over any 36 MHz channel
Isolation (input-to-input):	65 dB min.
Isolation (output-to-output):	60 dB min.
Isolation (input-to-output):	50 dB min.
Input Return Loss:	14 dB
Output Return Loss:	14 dB
Noise Figure:	22 dB @ 0 dB gain
Configuration:	64 inputs / 64 outputs
RF Connectors:	Type F, 75 Ω
Power Requirements:	100-240 VAC autoranging, 50/60 Hz
Power Consumption:	620 W
Local Control:	Front panel touchscreen LCD display
Remote Control:	RS-232, RS-422/485, SNMP, TELNET, TCP/IP, or web browser via customer-supplied PC
Software:	Embedded web browser interface and command protocol (included)
Mechanical:	6 RU (10.5" H x 19" W x 25-1/4 " D) (including rear handles)
Weight:	112 lbs. gross (boxed), 89 lbs. net



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