

QE3 2500

QE3250064X64CABFF000

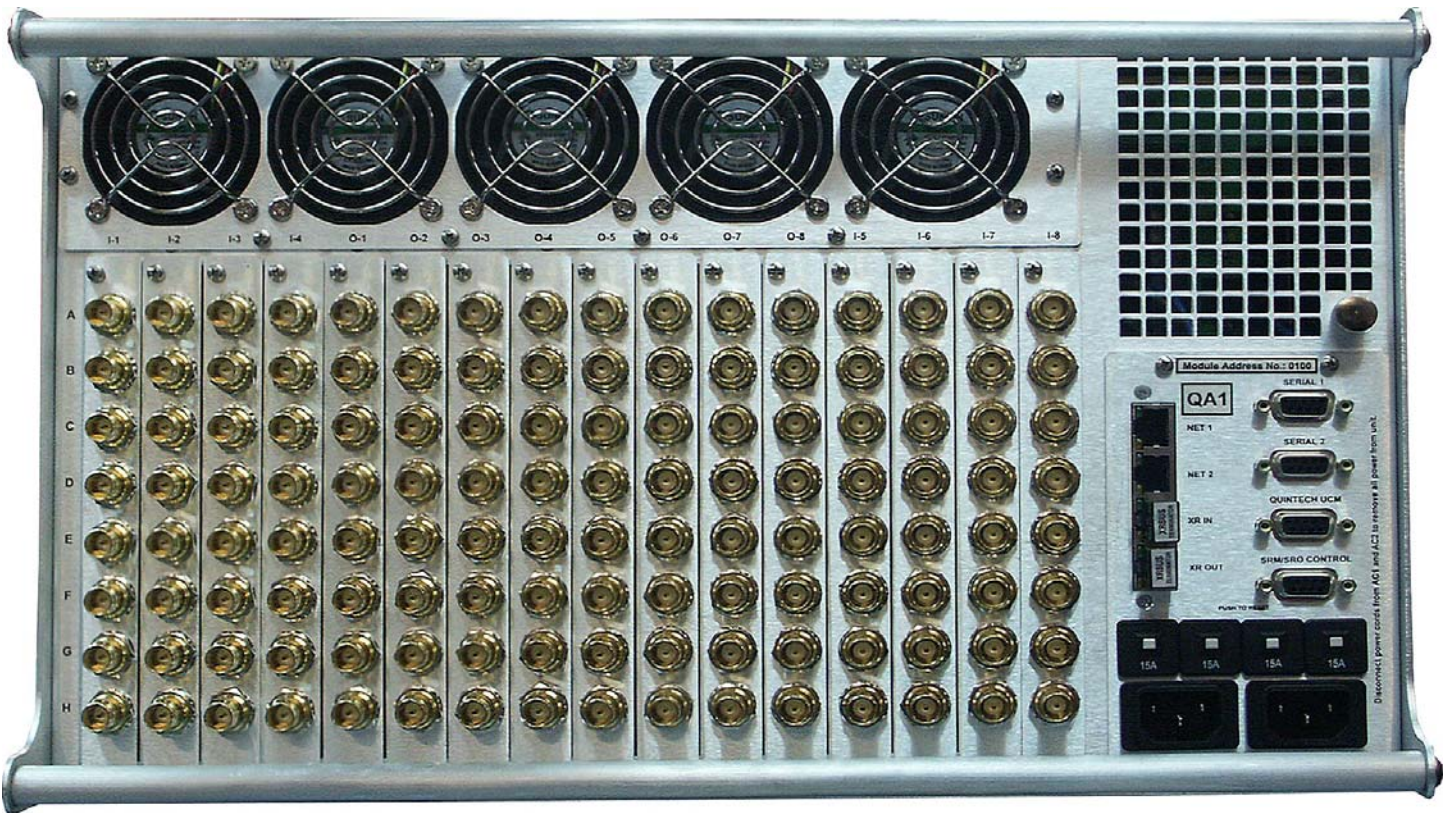
Modular Hot-Swap Matrix Switching System

General Description:

The **QE3250064X64CABFF000** 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. 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:

	L-Band	IF
Operating Frequency:	950-2150 MHz	50-200 MHz
Gain Range (manual mode):	-12 dB to +18 dB in 0.5 dB steps	-12 dB to +18 dB in 0.5 dB steps
Impedance:	75 Ω	75 Ω
P1dB:	0 dBm	-1 dBm
OIP³	+10 dBm	+9 dBm
RF Input Power:	-10 dBm to -70 dBm	-10 dBm to -70 dBm
RF Output Power:	-10 dBm	-10 dBm
Output AGC Level:	-10 dBm to -50 dBm	-10 dBm to -50 dBm
Frequency Response:	± 1.5 dB ± 0.5 dB over any 36 MHz channel	± 1.5 dB ± 0.5 dB over any 36 MHz channel
Isolation (input-to-input):	65 dB min.	65 dB min.
Isolation (output-to-output):	60 dB min.	60 dB min.
Isolation (input-to-output):	50 dB min.	50 dB min.
Input Return Loss:	14 dB	13 dB
Output Return Loss:	14 dB	10 dB
Noise Figure:	22 dB @ 0 dB gain	26 dB @ 0 dB gain
Configuration:	64 inputs / 64 outputs	
RF Connectors:	BNC, 75 Ω	
Power Requirements:	100-240 VAC autoranging, 50/60 Hz	
Power Consumption:	620 W	
Local Control:	Front panel keypad with LCD display	
Remote Control:	RS-232, RS-422/485, SNMP, TELNET or TCP/IP via customer-supplied PC	
Software:	PC-compatible operating software and protocol (included with the system)	
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	
Certifications:	CE, NRTL/TUV, FCC Part 15	



250 Airport Road • Indiana, PA 15701 • (800) 839-3658 • (724) 349-1412 • Fax: (724) 349-1421

<http://www.quitechelectronics.com/> • info@quitechelectronics.com