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QUALITY MANAGEMENT SYSTEM
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ISO 9001:2008

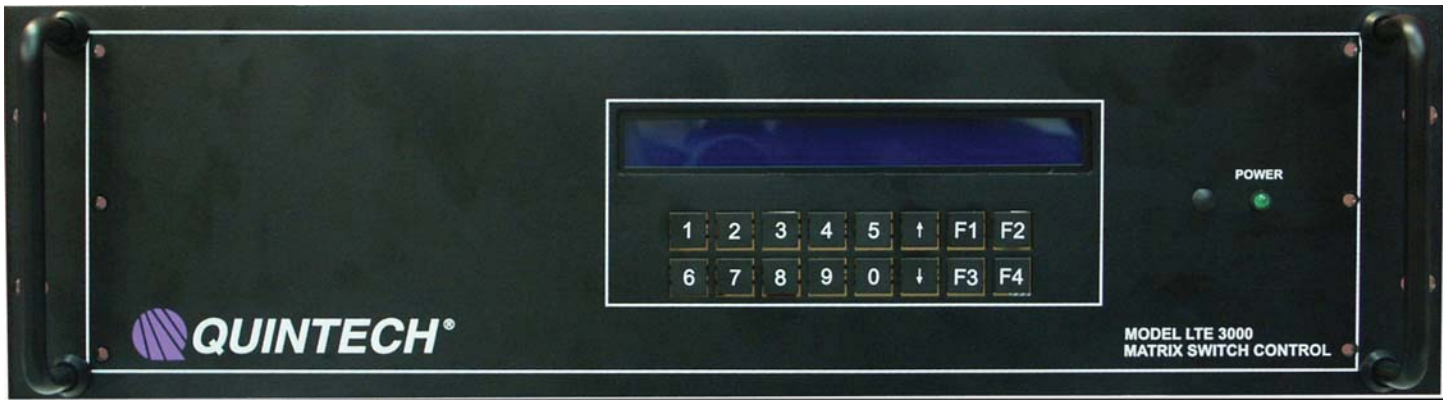
LTE 3000
LTE300016X16MNLC000
Passive Bi-Directional Matrix Switching System

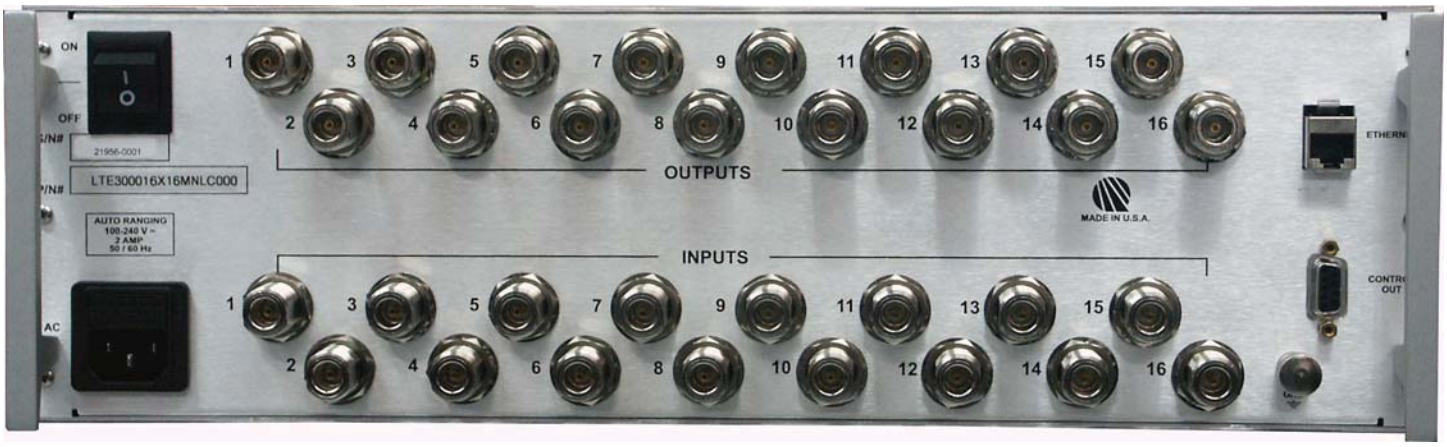
General Description:

The **LTE300016X16MNLC000** is a passive bi-directional matrix switching system that provides a complete 16x16 matrix in a 3 RU chassis. The switch provides full fan-out capability allowing any of 16 inputs carrying RF signals to be routed to any or all of 16 outputs. It utilizes patented stack-and-tier technology which offers ultra-reliable, high-performance, in a compact, modular design. The LTE 3000 covers the long term evolution frequency ranges of 700 MHz to 3000 MHz, which is mainly used for test application and general signal management in wireless communications fields such as Wi-Max, LTE, and 4G. The matrix is controllable either locally via the front panel keypad or remotely via computer and is compatible with most monitoring and control systems. The basic architecture of the system is expandable and scalable to accommodate a wide variety of applications.

Specifications:

Operating Frequency:	700-3000 MHz
Attenuation:	0 to 30 dB attenuation in 1 dB steps
Impedance:	50 Ω
P1dB:	≥ +40 dBm min.
OIP^3	≥ +60 dBm min.
RF Input Power (no damage):	+30 dB / +23 dBm @ output
Frequency Response:	± 3 dB
	± 0.5 dB over any 36 MHz channel
Isolation (input-to-input):	60 dB min.
Isolation (output-to-output, same input):	30 dB min.
Isolation (output-to-output, different input):	60 dB min.
Isolation (input-to-output):	60 dB min.
Insertion Loss:	22 dB typ., 24 dB max. @ 3000 MHz & 0 dB attenuation
Input Return Loss:	13 dB
Output Return Loss:	15 dB
Switching Speed:	< 20 microseconds switching time, 90 milliseconds processing time
VSWR:	1.4:1 typ., 1.5:1 min.
Configuration:	16 inputs / 16 outputs
RF Connectors:	Type N, 50 Ω
Power Requirements:	100-240 VAC autoranging, 50/60 Hz
Power Consumption:	17 W
Local Control:	Front panel keypad with LCD display
Remote Control:	TELNET or TCP/IP via customer-supplied PC
Software:	PC-compatible operating software and protocol (included with the system)
Mechanical:	3 RU (5.25" H x 19" W x 24" D)
Weight:	38.5 lbs. gross (boxed). 32 lbs. net
Certifications:	CE, NRTL/TUV, FCC Part 15





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