

QUINTECH[®]

Electronics & Communications Inc.

Test Lab Automation Solution

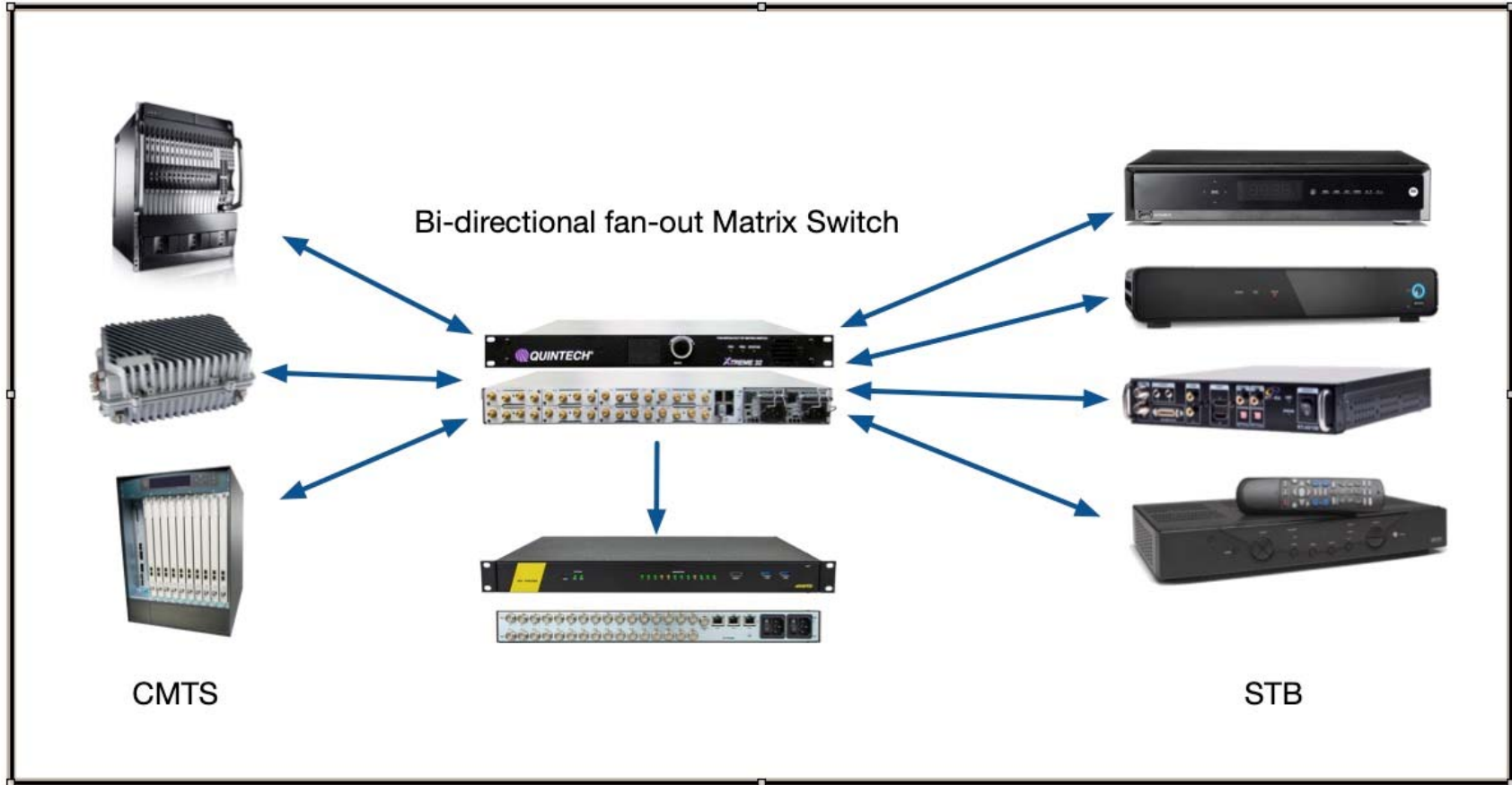


Provided by: Mega Hertz | 800-883-8839 |
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Benefits

- **RF signal routing equipment for Test Labs**
 - Focus on product reliability
 - “Quintech products just work” – many customers over many years
 - Cost effective
 - Automate Testing and Maximize employee efficiency
 - Repeatability Testing
- **Web browser control**
 - Support multiple users
 - Secure connections with user lockout feature
- **Support Future Expansion**
 - Field expandable
- **Equipment for test automation**
 - Test dynamic networks with next generation technologies
- **Supports Docsis 3.1 and 4.0 Frequencies**
- **Testing Cable Modems, Receivers, and CMTS**

Set Top Box Testing



- **Docsis 3.1**

- Upstream 5 MHz – 204 MHz
- Downstream 54 MHz – 1200 MHz

- **Docsis 4.0**

- Upstream 5 – 648 MHz
- Downstream 108 – 1800 MHz

QX1 Passive Bi-Directional 16X16 Matrix



- **Full fan-out (distributive) non-blocking solution**
 - Route an input to any or all outputs
- **Bidirectional configuration ideal for DOCSIS 3.1 and 4.0 testing**
 - 5-1800 MHz Operating Range
- **Reliability**
 - Redundant Hot Swappable Power Supplies
 - Hot-swappable Input and Output Adapters
 - Dual Gigabit Ethernet Ports
 - Field Replaceable Cooling Fan
- **Compact 1 RU chassis.**

- **Base Configurations:** 16X16 (standard)
- **Operating Frequency:** 5-1800 MHz
- **Input P1dB:** 30dBm min
- **Input Return Loss:** 7 dB min, >10 dB typical
- **Output Return Loss:** 7 dB min, >10 dB typical
- **Isolation:**
 - (input to input) 60 dB min
 - (output to output) 60 dB min
 - (input to output) 50 dB min
- **Switching Speed:** 150 mS per crosspoint typical
- **Local Control:** Front Panel 2.2" LCD Display with Rotary Knob
- **Remote Control:** Dual 10/100/1000 Base Tx Ethernet Ports
 - SNMP/ TCP/IP/ TELNET/ Secure Web Server with Custom SSL Certificate
- **Dimensions:** 1 RU (1.75" H x 19" W x 18.5" D)
- **Weight:** 14 lbs.gross (boxed), 12 lbs. net
- **Certifications:** CE, TUV NRTL, FCC Part 15

Expansion from 16X16 to 32X16/16X32

UNITS	HEIGHT	MATRIX RACK 1															
48	84.00																
47	82.25																
46	80.50																
45	78.75																
44	77.00																
43	75.25																
42	73.50																
41	71.75																
40	70.00																
39	68.25																
38	66.50																
37	64.75																
36	63.00																
35	61.25																
34	59.50																
33	57.75																
32	56.00																
31	54.25																
30	52.50																
29	50.75																
28	49.00																
27	47.25																
26	45.50																
25	43.75																
24	42.00																
23	40.25																
22	38.50																
21	36.75																
20	35.00																
19	33.25																
18	31.50																
17	29.75																
16	28.00																
15	26.25																
14	24.50																
13	22.75																
12	21.00																
11	19.25																
10	17.50																
9	15.75																
8	14.00																
7	12.25																
6	10.50																
5	8.75																
4	7.00																
3	5.25																
2	3.50																
1	1.75																

