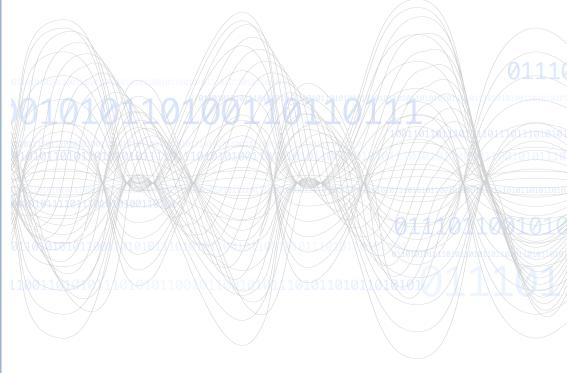


SWITCH MATRIX & SPACE PRODUCTS CAPABILITY GUIDE





OUR EXPERTISE, YOUR SWITCH SOLUTION
SINCE 1945

BETTER.FASTER.MODULAR NEXT GENERATION MATRIX

Commerical-Off-The-Shelf (COTS) solutions supporting the aerospace, military, transportation, and communication industries for signal routing and ATE applications.

- Highly scalable and modular
- Trouble-free maintenance for field upgrades & repair
- 1RU/2RU/3RU/4RU rack mountable enclosures
- LCD/Keypad or Touch Screen manual control
- · Remote controls:

Ethernet (TCP/IP) with HTTP Server or SNMP v1/v2 or GPIB & RS-232 and USB port

Fiber Optic Matrix



C-band Switching in Optical Domain Fan-Out / Crossbar 16x16 Matrix, LCD Touch Screen & Ethernet remote control





Electromechanical Switching Systems

DC to 40 GHz

Faster switching time at system level Keeps track of the life of each switch All electronic components are RoHS compliant Field upgradable firmware via boot loader Switches can be mixed & matched Configured either as a MUX, a Crossbar or individual switches Normally Open & Latching switches Terminated or non-terminated solutions

Solid State Matrix



HF to S-band 6x6 to 12x16 unidirectional, redundant power supplies, removable hard drive, LCD Touch Screen & Ethernet remote control

MS-Control Kit

either GPIB or Ethernet (TCP/IP) & HTTP Server. Controls up to 20 Dow-Key CAN Bus switches. Expansion cards available as an option

Do-It-Yourself (DIY) Software control via RS-232, USB with

Integrated Switching Systems & Custom Solutions



C-hand Full Rack Modular Solution 16x32 expandable to 32x64 Non-Blocking Full Fan-Out Manual and Remote Control

L-band

DuplexTransmitter & Receiver Racks 12x48 Fan-Out & 48x12 Fan-In Solution Equipped with signal monitor panels, fiber optic receiver, amplifiers, switching modules, master & slave controller. Manual and Remote Control

Systems are fully controlled through controller module(s) with Windows based PC and removable hard drive.



I-band 4x48 Solid State Fan-Out Switch 48x4 Solid State Fan-In Switch 8x2 Electromechanical Switch LCD Touch Screen Ethernet with SNMP protocol

More info at http://www.dowkey.com/matrix_catalog.php

OUR HERITAGE, YOUR SWITCH SOLUTION

Space business experts stress the three most critical aspects of supplier selection: heritage, heritage, heritage.



Our lightweight (less than 55 grams) and highly reliable qualified transfer switches are used in programs such as Inmarsat-4 and Galileo satellite systems.

Innovative and proven high reliability SPDT switches have played a part in hundreds of successful space missions.



High Power T-Switch



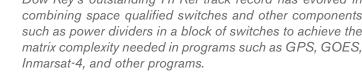
WR-15

Dow-Key WR/G is used in high profile space mission such as Kepler (flight system) and Deep Impact (NASA space probe).

Dow-Key distinguishes itself by introducing random drive T-Switches, which minimizes the switching time rather than forcing the application to switch RF paths in sequential order. Qualified on INSAT-3 MUOS, G-SAT and TDRS programs.



Dow-Key's outstanding HI-Rel track record has evolved in combining space qualified switches and other components such as power dividers in a block of switches to achieve the matrix complexity needed in programs such as GPS, GOES, Inmarsat-4, and other programs.



222D-Series

More info at http://www.dowkey.com/space_brochure.php