DYNETCOM

*Mark II Dynapatch®
EP-2 Series Patching*

- *Bifurcated cobalt and gold plated patch contacts*

- *No exposed contacts or latching mechanisms*

- *Military and Aviation approved*

- *Fully modular*

- *Will pass signals up to 10MBps +*

- *Fiber optic high intensity LED interface monitoring available*

- *Rugged, field-proven design*

- *V.24/V.35/X.21/RS-530/ RS-574/G703/V.36 interface options*

- *Test and monitor access to circuits*

Mark II Dynapatch® EP-2 Series Patching

The need for reliable, flexible, and cost effective patching, monitoring, alarming, and testing of data communications circuits has not diminished with time. The product solution fulfilling this requirement , the "Dynapatch®" is and has been synonymous with outstanding quality for more than two decades. The Dynapatch® products by NSGDatacom have a long standing history of reliability, durability, and ruggedness. Independent laboratory testing confirmed the product's resilience by it being unaffected by more than five thousand patch insertions and extractions.
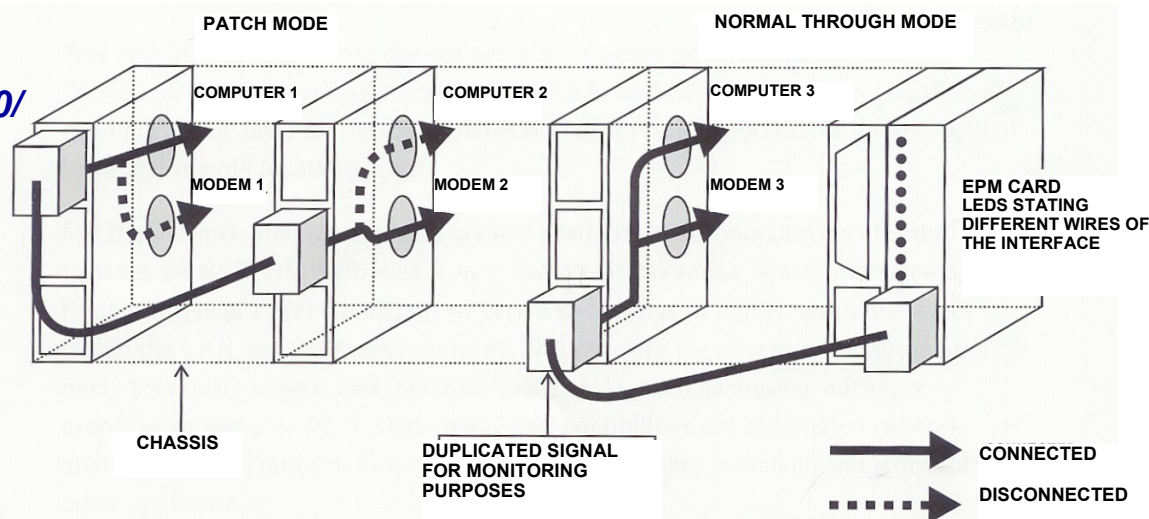
The Dynapatch® pioneered the normal-through patching technique. Normal-through connections are achieved without the use of any switches, cords or plugs. It provides a continuous connection from the DCE (modem) input to the DTE (computer) input. This connection is accomplished by gold plated springs being in tensional contact with gold plated contact pads on the printed circuit board.

Cross patching is achieved by the insertion of patch cords into the front of the jack, in either the top hole position (DTE/Computer) or middle hole position (DCE/Modem), the normal-through connection is broken and the circuit is connected through the patch cord instead. The bottom patch hole in the jack is for monitoring only, and does not break the normal-through connection.

A non-normal-through patch jack is also available. For this, the gold springs are not used and an insertion of a patch cord into the DCE (modem) opening and into the DTE (computer) opening, using the same jack or other non-normal through jacks in the rack (s).

Several options are available, including basic patching, electrical interface monitoring, and alarming on circuit events. In addition to these features, Dynetcom patching offers easy datascope access to the electrical interface to allow interactive circuit testing or passive circuit monitoring. The Mark II Dynaoatch is offered in two versions, Standard and Economy Enhanced. The Economy Enhanced version adds seven (7)) LED line powered monitors per patch jack.

The Dynapatch® Concept

Communication solutions from

NSGDatacom

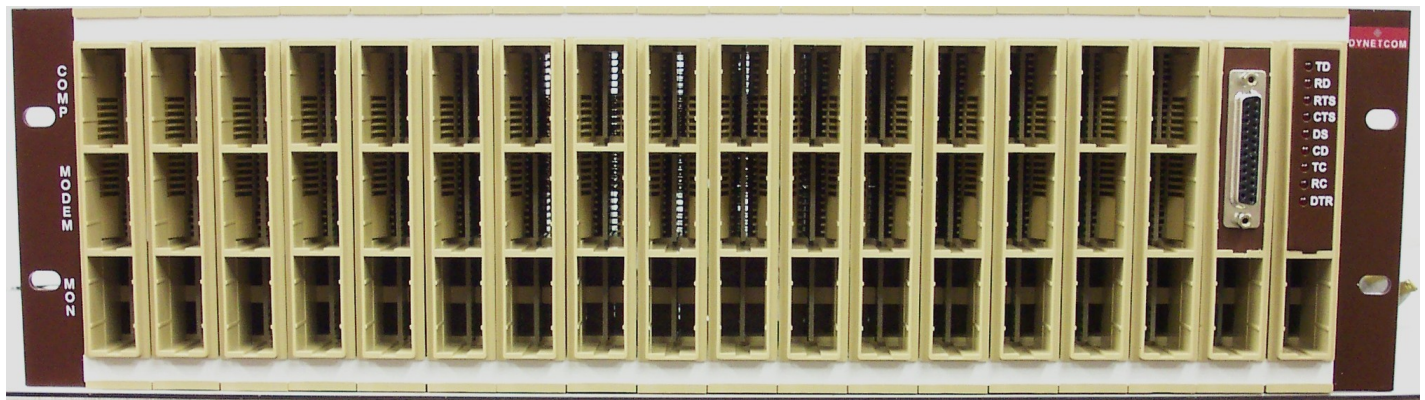*extend. evolve. innovate.*

Standard

- V.24/RS232(DB25), RS-530(DB25), V.35(M34),RS-574(DB9), G703(BNC), and X.21(DB15) interfaces available
- Patching and test/monitor access
- Multiple interfaces of patch jacks can be mixed in a rack adapter
- Slots for up 18 patch jacks per rack adapter (slots 17 & 18 can be used for Test and Monitoring modules)
- Patch jacks, Test, and Monitoring modules available in Tan, Black, Red, Green, and Gray
- Rack adapters available in brown, black, red, and green
- Test Access module are available for V.24/RS232, RS530, V.35, X.21 and RS574 interfaces
- Monitoring Access module are available for V.24/RS232, X.21 and RS530 interfaces and is 100-240 VAC
- Pre-Configured PAKs available or parts can be ordered separately

Economy Enhanced

- V.24 and V.36 interface
- Patching and test/monitor access
- Slots for up 18 patch jacks per rack adapter (slots 17 & 18 can be used for Test and Monitoring modules)
- 7 LED line power monitors per patch jack.
- Patch jacks, Test, and Monitoring modules available in gray and tan.
- Monitoring module available in 90-120 VAC and 200-240 VAC.
- Pre-Configured PAKs available or parts can be ordered separately

Enhanced Patch

- V.24/RS232, V.35, and X.21 interface available
- Patching and test/monitor access
- Audible and visible alarming on interface events
- Variable alarm delay with auto reset
- Multiple interfaces of patch jacks can be mixed in a rack adapter
- Slots for up 16 patch jacks per rack adapter (slot 17 is available for Test and Monitoring modules, slot 18 ships with Monitor/Alarm module installed)
- 7 LED monitors per patch jack
- 85-240 VAC auto ranging brick power supply
- Enclosed chassis with back panel and connector screw locks for mounting cables, allowing removal of patch jack without disturbing interface connection
- Pre-Configured PAKs available or parts can be ordered separately