# NSGDatacom


# DYNAPATCH® MARK II PRODUCT LINE

**Updated August 2009 / JMC**

# THE DYNAPATCH® SOLUTION

FOR TOTAL FLEXIBILITY OF MONITORING, TESTING, AND REARRANGING OR REROUTING DATA COMMUNICATION LINES AND EQUIPMENT, NOTHING IS MORE ECONOMICAL AND MORE WIDELY USED THAN **PATCHING** AND NOBODY HAS A BETTER PATCHING SOLUTION THAN ***NSGDatacom.*** WITH ITS WIDE SELECTION OF **DYNETCOM PATCH PRODUCTS**, A MAJORITY OF THE **DYNETCOM DYNAPATCH® MARK 2** PATENTED PRODUCTS HAVE BEEN IN USE FOR OVER TWO DECADES AND HAVE A PROVEN TRACK RECORD FOR RELIABILITY, DURABILITY, AND RUGGEDNESS. TESTS CARRIED OUT BY INDEPENDENT LABORATORIES HAVE SHOWN THAT THE **DYNAPATCH®** PRODUCT IS RESILIENT ENOUGH TO BE UNAFFECTED BY MORE THAN 5000 PATCH INSERTIONS AND EXTRACTIONS.

THE BASIC PRINCIPLE OF THE **DYNAPATCH®** JACK IS THAT IN THE ABSENCE OF A PATCH CORD INSERTION, IT PROVIDES A CONTINUOUS CONNECTION FROM THE DCE (MODEM) INPUT TO THE DTE (COMPUTER) INPUT. THIS CONNECTION IS ACHIEVED BY THE MEANS OF GOLD PLATED BIFURCATED SPRINGS IN TENSIONAL CONTACT WITH GOLD PLATED CONTACT PADS ON THE PRINTED CIRCUIT BOARD. THIS THROUGH CONNECTION IS KNOWN AS THE "NORMAL-THROUGH" CONNECTION. WHEN A PATCH CORD IS INSERTED 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. THE **DYNAPATCH® CONCEPT** ILLUSTRATION BELOW DIAGRAMS THE THE PATCH MODE, THE NORMAL-THROUGH MODE, AND THE MONITORING ASPECT.

A NON-NORMAL THROUGH PATCH JACK IS ALSO AVAILABLE. THIS IS ACHIEVED BY NOT USING THE GOLD SPRINGS. THE NORMAL THROUGH IS COMPLETED BY INSERTION OF A PATCHCORD INTO DCE(MODEM) HOLE AND INTO DTE(COMPUTER) HOLE OF EITHER THE SAME JACK OR WITH OTHER JACKS.

THE **DYNAPATCH® MARK 2** PRODUCTS ARE GENERALLY MODULAR, ALLOWING MODULES WITH DIFFERENT INTERFACES TO BE INTERCHANGED IN A SINGLE CHASSIS ( THERE IS NO BACKPLANE ). A CHASSIS CAN HAVE UP TO 18 CARDS FITTED. NORMALLY A CHASSIS CONSISTS OF UP TO 16 PATCH CARDS, 1 TEST ACCESS CARD AND 1 MONITOR ACCESS MODULE TO ALLOW FULL CAPABILITY OF THE **DYNAPATCH® SOLUTION**. THE PATCH MODULES, EP-1XX*, EP-1TXX*, EP-2XX*, EP-2MXX* AND EP-2EMXX*, ALLOW ACCESS TO THE INTERFACE FOR SIGNAL REROUTING, STATUS, MONITORING, TESTING, FAULT ISOLATION AND CIRCUIT RESTORATION AFTER EQUIPMENT OR COMMUNICATION FAILURE. THE ENHANCED VERSIONS ALSO PROVIDE INTERFACE MONITORING BY LEDS THROUGH LIGHT PIPES BESIDE THE BOTTOM FRONT JACK.

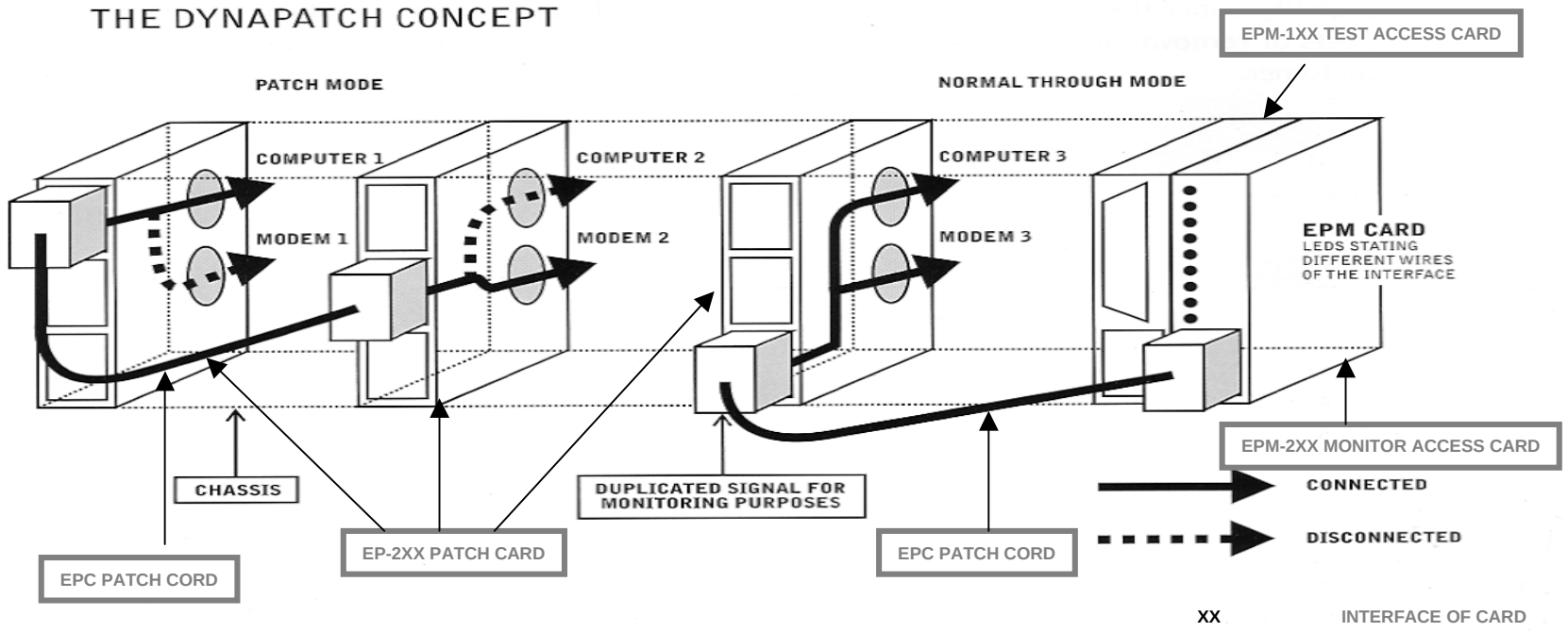
# THE DYNAPATCH® SOLUTION

THE MONITOR HOLE IN THE JACK PROVIDES A DATA SIGNAL FOR MONITORING, WHICH CAN BE USED IN A NUMBER OF WAYS. FOR EXAMPLE, BY LINKING THE EP-2XX*,EP-2MXX* OR EP-2EMXX PATCH JACK VIA PATCH CORD FROM THE MONITOR HOLE TO AN EPM-2XX* MONITORING MODULE IN THE 18 POSITION OF THE CHASSIS. THE ACTIVITY OF THE INTERFACES CAN BE MONITORED BY THE LEDS ON THE FRONT PANEL OF THE EPM-2XX*. ANOTHER METHOD OF LED MONITORING OF THE INTERFACES CAN BE ACCOMPLISHED BY THE USE OF A LAMP-2XX* MODULE WHICH CAN BE PLUGGED INTO ANY JACK HOLE TO PROVIDE IMMEDIATE INTERFACE MONITORING.

AN EPM-1XX* TEST ACCESS MODULE CAN BE INSTALLED USUALLY IN EITHER THE 17 POSITION IF AN EPM-2XX IS IN THE 18 POSITION, OR IN THE 18 POSITION IF NO EPM-2XX IS PRESENT. THIS MODULE PROVIDES PATCH TO INTERFACE FOR EITHER INTERACTIVE TESTING OR MONITORING. FOR TESTING, A TEST SIGNAL GENERATOR IS CONNECTED TO THE INTERFACE SOCKET AND THE EPM-1XX* IS PATCHED TO EITHER THE DTE (COMPUTER) OR THE DCE (MODEM) HOLE ON THE EP-2XX*,EP-2MXX* OR EP-2EMXX* PATCH JACK. FOR MONITORING , A DATA MONITOR IS CONNECTED TO THE INTERFACE SOCKET OF THE EPM-1XX*, WHICH IS PATCHED TO THE MONITOR HOLE OF EP-2XX*,EP-2MXX* OR EP-2EMXX* PATCH JACK.

XX* STANDS FOR JACK INTERFACE TYPE
( (V)24, (X)21,(V)35, 530, ETC. )

# THE DYNAPATCH® SOLUTION



# DYNAPATCH® MARK II PATCH MODULES

# DYNAPATCH®
# MARK II MODULES

## STANDARD PATCH V24 / RS232 / RS530

| | | | | |
|---|---|---|---|---|
| **2007000001**<br>**2007000002**<br>**2007000004** | | **EP-1.24 TAN**<br>**EP-1.24 BLACK**<br>**EP-1.24 GRAY** | A SINGLE HOLE DIGITAL PATCH MODULE FOR SPARE EQUIPMENT WITH 1 DB25 FEMALE CONNECTOR AT REAR OF MODULE W/440 HARDWARE. | RA-2 BRN,<br>RA-2 BLACK |
| **GTCB07103M** | | **EP-1.24 TAN M2.6** | A SINGLE HOLE DIGITAL PATCH MODULE FOR SPARE EQUIPMENT WITH 1 DB25 FEMALE CONNECTOR AT REAR OF MODULE W/M2.6 HARDWARE. | RA-2 BRN |
| **GTCB07835M**<br>**GTCB17835M** | | **EP-1T.24 BLACK**<br>**EP-1T.24 TAN** | A SINGLE HOLE DIGITAL PATCH MODULE WHICH OPTIMIZES THE MONITORING ACCESS WITH 1 DB25 FEMALE AND 1 DB25 MALE CONNECTOR AT REAR OF MODULE W/440 HARDWARE ALLOWING A NON-INTERRUPTIVE T-CONNECTION OF CIRCUITS THROUGH EACH CHANNEL. | RA-2T BLK &<br>RA-2T TAN |
| **2002000001**<br>**2002000004**<br>**2002000005**<br>**2002000006**<br>**GTCB06450M** | | **EP-2.24 TAN**<br>**EP-2.24 RED**<br>**EP-2.24 GREEN**<br>**EP-2.24 BLACK**<br>**EP-2.24 GRAY** | A THREE HOLE DIGITAL PATCH MODULE PROVIDING A NORMAL-THROUGH PATH AND NON-INTERRUPTIVE MONITORING PATCH ON LOWER MON SOCKET AT THE FRONT OF JACK. WHEN NEEDED AN EPC PATCH CORD CAN BE INSERTED INTO EITHER THE MODEM OR COMP SOCKET BREAKING THE NORMAL THROUGH CONNECTION ALLOWING RE-CONFIGURATION OF THE CIRCUIT PATH IN THE EVENT OF A LINE OR EQUIPMENT FAILURE. THIS JACK HAS ONE FEMALE DB25 AND ONE MALE DB25 W440 JACKSCREWS AFFIXED TO THE MODULE. | RA-1 BRN,<br>RA-1 BLACK,<br>RA-1 RED,<br>RA-1 GREEN |

# DYNAPATCH®
# MARK II MODULES

## STANDARD PATCH V24 / RS232 / RS530

| | | | | |
|---|---|---|---|---|
| **2002000007** | | **EP-2.24 NON- NORMAL THRU TAN** | A THREE HOLE DIGITAL PATCH MODULE PROVIDING A NON-NORMAL THROUGH PATH.CAN PATCH BETWEEN MODEM AND COMP SOCKET MAKING THE NORMAL THROUGH CONNECTION ALLOWING RE-CONFIGURATION OF THE CIRCUIT PATH IN THE EVENT OF A LINE OR EQUIPMENT FAILURE. THIS JACK HAS ONE FEMALE DB25 AND ONE MALE DB25 W440 JACKSCREWS AFFIXED TO THE MODULE | RA-1 BRN |
| **GTC130110J** | | **EP-2.24 M2.6 TAN** | SAME AS EP-2.24 BUT HAS M2.6 JACKSCREWS ON THE ONE FEMALE DB25 AND ONE MALE DB25 CONNECTORS. | RA-1 BRN |
| **2002000002** | | **EP-2.24M/M TAN** | SAME AS EP-2.24 BUT HAS TWO MALE DB25 CONNECTORS W/ 440 JACKSCREWS. | RA-1 BRN |
| **2002000022** | | **EP-2.24M/M NON-MORMAL THRU TAN** | A THREE HOLE DIGITAL PATCH MODULE PROVIDING A NON-NORMAL THROUGH PATH.CAN PATCH BETWEEN MODEM AND COMP SOCKET MAKING THE NORMAL THROUGH CONNECTION ALLOWING RE-CONFIGURATION OF THE CIRCUIT PATH IN THE EVENT OF A LINE OR EQUIPMENT FAILURE. THIS JACK HAS TWO MALE DB25 W440 JACKSCREWS AFFIXED TO THE MODULE. | RA-1 BRN |

# DYNAPATCH®
# MARK II MODULES

## STANDARD PATCH V24 / RS232 / RS530

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|---|---|---|---|---|
| **2002000003** | | **EP-2.24F/F TAN** | SAME AS EP-2.24 BUT HAS TWO FEMALE DB25 CONNECTORS W/ 440 JACKSCREWS. | RA-1 BRN |
| **2002000203** | | **EP-2.24F/F M2.6 TAN** | SAME AS EP-2.24 BUT HAS TWO FEMALE DB25 CONNECTORS W/ M2.6 JACKSCREWS. | RA-1 BRN |
| **2002000023** | | **EP-2.24F/F NON–NORMAL THROUGH TAN** | A THREE HOLE DIGITAL PATCH MODULE PROVIDING A NON-NORMAL THROUGH PATH.CAN PATCH BETWEEN MODEM AND COMP SOCKET MAKING THE NORMAL THROUGH CONNECTION ALLOWING RE-CONFIGURATION OF THE CIRCUIT PATH IN THE EVENT OF A LINE OR EQUIPMENT FAILURE. THIS JACK HAS TWO FEMALE DB25 W440 JACKSCREWS AFFIXED TO THE MODULE. | RA-1 BRN |

# DYNAPATCH®
# MARK II MODULES

## STANDARD PATCH V24 / RS232 / RS530

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|---|---|---|---|---|
| **2002000009** | | **EP-2.24C TAN** | SAME AS EP-2.24 BUT THE ONE FEMALE DB25 AND THE ONE MALE DB25 CONNECTORS ARE OFF-SET AND DO N0T HAVE JACKCREWS. | RA-1CR BRN |
| **2002000209**<br>**2002000210**<br>**2002000211**<br>**2002000212**<br>**2002000213** | | **EP-2.24C/J TAN**<br>**EP-2.24C/J RED**<br>**EP-2.24C/J GREEN**<br>**EP-2.24C/J BLACK**<br>**EP-2.24C/J GRAY** | SAME AS EP-2.24 BUT THE ONE FEMALE DB25 AND ONE MALE DB25 CONNECTORS ARE OFF-SET AND HAS 440 JACKCREWS. | RA-1 BRN, RA-1 BLACK, RA-1 RED, RA-1 GREEN |
| **2002000040**<br>**2002000041**<br>**2002000042**<br>**2002000043**<br>**2002000044** | | **EP-2.24 MOD8 TAN**<br>**EP-2.24 MOD8 RED**<br>**EP-2.24 MOD8 GREEN**<br>**EP-2.24 MOD8 BLACK**<br>**EP-2.24 MOD8 GRAY** | SAME AS EP-2.24 BUT ON THE FEMALE DB25 HAS A GROUND STRAP ATTACHED TO PIN 1 ON THE PCB. | RA-1 MOD8 BRN., RA-1 MOD8 RED, RA-1 MOD8 BLACK, RA-1 MOD8 GREEN |
| **2002000101**<br>**2002000104**<br>**2002000105**<br>**2002000106**<br>**2002000107** | | **EP-2.24 W/HDR TAN**<br>**EP-2.24 W/HDR RED**<br>**EP-2.24 W/HDR GREEN**<br>**EP-2.24 W/HDR BLACK**<br>**EP-2.24 W/HDR GRAY** | SAME AS EP-2.24 BUT HAS A 4 PIN HEADER TO BE USED WITH THE CAM | RA-1 BRN, RA-1 BLACK, RA-1 RED, RA-1 GREEN |
| **2093120001**<br>**2093120002** | | **EP-2.24L TAN**<br>**EP-2.24L BLACK** | SAME AS EP-2.24 BUT HAS A LAMP-2.24 MODULE INCLUDED. | RA-1 BRN, RA-1 BLACK |

# DYNAPATCH®
# MARK II MODULES

## STANDARD PATCH V24 / RS232 / RS530

**EP-1.24 BLACK**

**EP-1T.24 BLACK**

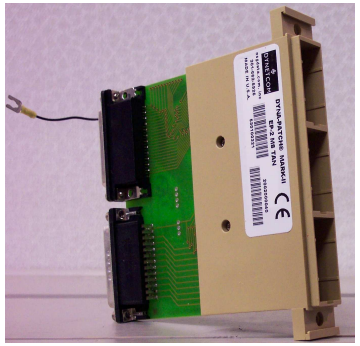
**EP-2.24 TAN**

**EP-2.24 BLACK**

**EP-2.24 RED**

**EP-2.24 GREY**

**EP-2.24C TAN**



**EP-2.24 MOD8 TAN**

# DYNAPATCH®
# MARK II MODULES
## ECONOMY ENHANCED PATCH V24 / RS232

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|---|---|---|---|---|
| **GTCB05207M** | | **EP-2EM.24** | A THREE HOLE DIGITAL PATCH MODULE PROVIDING A NORMAL-THROUGH PATH AND NON-INTERRUPTIVE MONITORING PATCH ON LOWER MON SOCKET AT THE FRONT OF JACK. WHEN NEEDED AN EPC PATCH CORD CAN BE INSERTED INTO EITHER THE MODEM OR COMP SOCKET BREAKING THE NORMAL THROUGH CONNECTION ALLOWING RE-CONFIGURATION OF THE CIRCUIT PATH IN THE EVENT OF A LINE OR EQUIPMENT FAILURE. THIS JACK HAS ONE FEMALE DB25 AND ONE MALE DB25 W440 JACKSCREWS AFFIXED TO THE MODULE. THE MODULE IS DESIGNED TO MONITOR THE FOLLOWING 7 CIRCUITS BY LEDS ON THE FRONT OF THE MODULE : TD, RD, RTS, CTS, DSR, CD, AND DTR. POWER FOR THE LEDS IS GENERATED BY THE INTERFACE CIRCUITS BEING MONITORED. THERE IS NO ALARM FEATURE INCLUDED IN THIS MODULE. | RA-1E |

# DYNAPATCH®
# MARK II MODULES
## ENHANCED PATCH V24 / RS232

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|---|---|---|---|---|
| **GTCB05219M** | | **EP-2M.24** | A THREE HOLE DIGITAL PATCH MODULE PROVIDING A NORMAL-THROUGH PATH AND NON-INTERRUPTIVE MONITORING PATCH ON LOWER MON SOCKET AT THE FRONT OF JACK. WHEN NEEDED AN EPC PATCH CORD CAN BE INSERTED INTO EITHER THE MODEM OR COMP SOCKET BREAKING THE NORMAL THROUGH CONNECTION ALLOWING RE-CONFIGURATION OF THE CIRCUIT PATH IN THE EVENT OF A LINE OR EQUIPMENT FAILURE. THIS JACK HAS ONE FEMALE DB25 AND ONE MALE DB25 AFFIXED TO THE MODULE. THE MODULE IS DESIGNED TO MONITOR THE FOLLOWING 7 CIRCUITS BY LEDS ON THE FRONT OF THE MODULE : TD, RD, RTS, CTS, DSR, CD, AND DTR. LED COLOR INDICATES SIGNAL SOURCE, RED DCE SOURCE AND GREEN DTE SOURCE. AN ALARM FEATURE INCLUDED IN THIS MODULE. A PRE-SET ALARM DELAY ON CD DROP IS USER CONFIGURABLE 0-60 SECONDS BY MEANS OF A SCREW DRIVER ADJUSTMENT POT, LOCATED IN THE MONITOR SOCKET OF THE PATCH JACK. | RA-1C.24, RA-1C.35D, RA-1C.21D |

**EP-2M.24**

# DYNAPATCH®
# MARK II MODULES
## STANDARD PATCH X.21

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|---|---|---|---|---|
| **GTCB03338M**<br>**GTCB03337M**<br>**GTCB03339M** | | **EP-1.21 TAN**<br>**EP-1.21 BLACK**<br>**EP-1.21 GRAY** | A SINGLE HOLE DIGITAL PATCH MODULE WITH 1 DB15 FEMALE CONNECTOR AT REAR OF MODULE W/440 HARDWARE. | RA-2 BRN, RA-2 BLACK |
| **GTCB07104M** | | **EP-1.21 TAN M2.6** | A SINGLE HOLE DIGITAL PATCH MODULE WITH 1 DB15 FEMALE CONNECTOR AT REAR OF MODULE W/M2.6 HARDWARE. | RA-2 BRN |
| **GTCB07839M**<br>**GTCB17839M** | | **EP-1T.21 BLACK**<br>**EP-1T.21 TAN** | A SINGLE HOLE DIGITAL PATCH MODULE WHICH OPTIMIZES THE MONITORING ACCESS WITH 1 DB15 FEMALE AND 1 DB15 MALE CONNECTOR AT REAR OF MODULE W/440 HARDWARE ALLOWING A NON-INTERRUPTIVE T-CONNECTION OF CIRCUITS THROUGH EACH CHANNEL. | RA-2T BLK & RA-2T TAN |
| **2002000010**<br>**2002000011**<br>**2002000012**<br>**2002000013**<br>**GTCB07061M** | | **EP-2.21 TAN**<br>**EP-2.21 BLACK**<br>**EP-2.21 RED**<br>**EP-2.21 Green**<br>**EP-2.21 GRAY** | A THREE HOLE DIGITAL PATCH MODULE PROVIDING A NORMAL-THROUGH PATH AND NON-INTERRUPTIVE MONITORING PATCH ON LOWER MON SOCKET AT THE FRONT OF JACK. WHEN NEEDED AN EPC PATCH CORD CAN BE INSERTED INTO EITHER THE MODEM OR COMP SOCKET BREAKING THE NORMAL THROUGH CONNECTION ALLOWING RE-CONFIGURATION OF THE CIRCUIT PATH IN THE EVENT OF A LINE OR EQUIPMENT FAILURE. THIS JACK HAS ONE FEMALE DB15 AND ONE MALE DB15 W440 JACKSCREWS AFFIXED TO THE MODULE. | RA-1 BRN, RA-1 BLACK, RA-1 RED, RA-1 GREEN |

# DYNAPATCH®
# MARK II MODULES

## STANDARD PATCH X.21

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| **GTCB07146M** | | **EP-2.21 M3 TAN** | SAME AS EP-2.21 BUT HAS M3 JACKSCREWS ON THE ONE FEMALE DB15 AND ONE MALE DB15 CONNECTORS. | RA-1 BRN |
| **GTCB07425M** | | **EP-2.21 M2.6 TAN** | SAME AS EP-2.21 BUT HAS M2.6 JACKSCREWS ON THE ONE FEMALE DB15 AND ONE MALE DB15 CONNECTORS. | RA-1 BRN |
| **ESQ9402182** | | **EP-2.21F/F M3 TAN** | SAME AS EP-2.21 BUT THE TWO FEMALE DB15 CONNECTORS WHICH ARE ARE OFF-SET AND HAS M3 JACKCREWS. | RA-1 BRN |

**EP-2.21 TAN**

**EP-2.21 GRAY**

**EP-2.21 BLACK**

# DYNAPATCH®
# MARK II MODULES
## ENHANCED PATCH X.21

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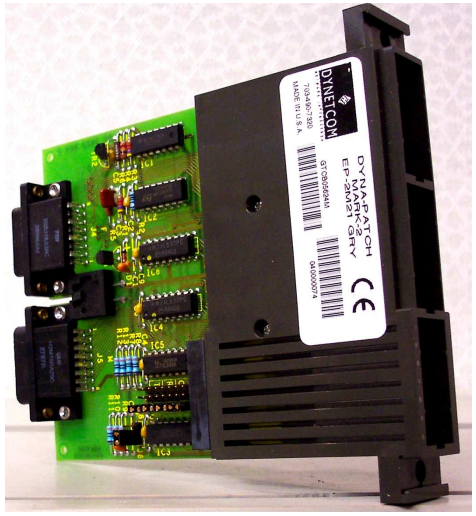
|---|---|---|---|---|
| **GTCB05624M**<br>**GTCB07911M** | | **EP-2M.21(OLD)**<br>**EP-2M21AM (NEW)** | A THREE HOLE DIGITAL PATCH MODULE PROVIDING A NORMAL-THROUGH PATH AND NON-INTERRUPTIVE MONITORING PATCH ON LOWER MON SOCKET AT THE FRONT OF JACK. WHEN NEEDED AN EPC PATCH CORD CAN BE INSERTED INTO EITHER THE MODEM OR COMP SOCKET BREAKING THE NORMAL THROUGH CONNECTION ALLOWING RE-CONFIGURATION OF THE CIRCUIT PATH IN THE EVENT OF A LINE OR EQUIPMENT FAILURE. THIS JACK HAS ONE FEMALE DB15 AND ONE MALE DB15 TO THE MODULE. THE MODULE IS DESIGNED TO MONITOR THE FOLLOWING 6 INTERFACES BY LEDS ON THE FRONT OF THE MODULE : T, R, C, I, ST, BT, AND ALARM INDICATOR. LED COLOR INDICATES SIGNAL SOURCE, RED DCE SOURCE AND GREEN DTE SOURCE. AN ALARM FEATURE INCLUDED IN THIS MODULE. A PRE-SET ALARM DELAY ON C OR I DROP IS USER CONFIGURABLE 0-60 SECONDS BY MEANS OF A SCREW DRIVER ADJUSTMENT POT, LOCATED IN THE MONITOR SOCKET OF THE PATCH JACK. EP2M21AM MODULE, BOTTOM PATCH HOLE IS ELECTRICALLY BUFFERED FROM THE DATA CIRCUITS AND IS FUNCTIONAL AT SPEEDS UP TO 2MHZ. | RA-1C.21 |
| **GTCB07193M**<br>**GTCB07912M** | | **EP-2M.21D(OLD)**<br>**EP-2M21AMD (NEW)** | SAME AS EP-2M.21 AND EP-2M21AM BUT HAS 440 JACKSCREWS MOUNTED TO THE DB15 CONNECTORS. | RA-1C.24,<br>RA-1C.35D,<br>RA-1C.21D |

**WHEN ORDERING REPLACEMENT MODULES, YOU MUST ORDER SAME TYPE ALREADY IN USE AS THEY ARE NOT INTERCHANGEABLE.**

# DYNAPATCH®
# MARK II MODULES

## ENHANCED PATCH X.21




**EP-2M21**


**EP-2M21AM**

# DYNAPATCH®
# MARK II MODULES

## STANDARD PATCH V.35

| | | | | |
|---|---|---|---|---|
| **2046600001**<br>**2046600003** | | **EP-1-V.35A U TAN**<br>**EP-1-V.35A U BLACK** | A SINGLE HOLE DIGITAL PATCH MODULE WITH 1 FEMALE WINCHESTER V35 TYPE CONNECTOR WITH AMP HARDWARE, MOUNTED ON A BRACKET AT THE REAR OF MODULE AND IS HARDWIRED TO THE PCB. | RA-2 BRN, & RA-2 BLK. |
| **2046600002**<br>**2046600004**<br>**2046600005**<br>**2046600006** | | **EP-1-V.35W U TAN**<br>**EP-1-V.35W U BLACK**<br>**EP-1-V.35W E TAN**<br>**EP-1-V.35W E BLACK** | A SINGLE HOLE DIGITAL PATCH MODULE WITH 1 FEMALE WINCHESTER V35 TYPE CONNECTOR WITH WINCHESTER HARDWARE, MOUNTED ON A BRACKET AT THE REAR OF MODULE AND IS HARDWIRED TO THE PCB. | RA-2 BRN, & RA-2 BLK. |
| **2095300001**<br>**2095300002**<br>**2095300003** | | **EP-1-V.35W U TAN**<br>**EP-1-V.35W U BLACK**<br>**EP-1-V.35W U GRAY** | A SINGLE HOLE DIGITAL PATCH MODULE WITH 1 DB25 FEMALE CONECTOR WITH A ADAPTER FROM DB25M TO WINCHESTER V35F WITH WINCHESTER HARDWARE, ATTACHED.. | RA-2 BRN, & RA-2 BLK |
| **GTCB07840M**<br>**GTCB17840M**<br>**GTCB07843M**<br>**GTCB17843M** | | **EP-1T35E BLACK**<br>**EP-1T35E TAN**<br>**EP-1T35U BLACK**<br>**EP-1T35U TAN** | A SINGLE HOLE DIGITAL PATCH MODULE WHICH OPTIMIZES THE MONITORING ACCESS WITH 1 DB25 FEMALE WITH AN ADAPTER FROM DB25M TO WINCHESTER V35F WITH WINCHESTER HARDWARE, ATTACHED AND 1 DB25 MALE CONNECTOR WITH A ADAPTER FROM DB25M TO WINCHESTER V35F WITH WINCHESTER HARDWARE, ATTACHED AT REAR OF MODULE. ALLOWING A NON-INTERRUPTIVE T-CONNECTION OF CIRCUITS THROUGH EACH CHANNEL. | RA-2T BLK & RA-2T TAN |

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**
**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**

# DYNAPATCH®
# MARK II MODULES
## STANDARD PATCH V.35

| | | | | |
|---|---|---|---|---|
| **2045600001**<br>**2045600003** | | **EP-2-V.35A U TAN**<br>**EP-2-V.35A U BLACK** | A THREE HOLE DIGITAL PATCH MODULE PROVIDING A NORMAL-THROUGH PATH AND NON-INTERRUPTIVE MONITORING PATCH ON LOWER MON SOCKET AT THE FRONT OF JACK. WHEN NEEDED AN EPC PATCH CORD CAN BE INSERTED INTO EITHER THE MODEM OR COMP SOCKET BREAKING THE NORMAL THROUGH CONNECTION ALLOWING RE-CONFIGURATION OF THE CIRCUIT PATH IN THE EVENT OF A LINE OR EQUIPMENT FAILURE. THIS JACK HAS 1 FEMALE WINCHESTER V35 TYPE CONNECTOR AND 1 MALE WINCHESTER V35 TYPE CONNECTOR WITH AMP HARDWARE, MOUNTED ON A BRACKET AT THE REAR OF MODULE AND IS HARDWIRED TO THE PCB. | RA-135 BROWN, & RA-135 BLACK |
| **2045600002**<br>**2045600004**<br>**2045600005**<br>**2045600006** | | **EP-2-V.35W U TAN**<br>**EP-2-V.35W U BLACK**<br>**EP-2-V.35W E TAN**<br>**EP-2-V.35W E BLACK** | SAME AS ABOVE BUT THE WINCHESTER V35 TYPE CONNECTORS HAVE WINCHESTER HARDWARE. | RA-135 BRN, & RA-135 BLACK |
| **2045620001**<br>**2045620003** | | **EP-2-V.35A-FF U TAN**<br>**EP-2-V.35A-FF U BLACK** | SAME AS EP-2-V.35A, BUT HAS 2 FEMALE WINCHESTER CONNECTORS WITH AMP HARDWARE. | RA-135 BRN, & RA-135 BLACK |
| **2045620002**<br>**2045600004**<br>**2045600005**<br>**2045600006** | | **EP-1-V.35W-FF U TAN**<br>**EP-1-V.35W-FF U BLACK**<br>**EP-1-V.35W-FF E TAN**<br>**EP-1-V.35W-FF E BLACK** | SAME AS ABOVE BUT THE WINCHESTER V35 TYPE CONNECTORS HAVE WINCHESTER HARDWARE. | RA-135 BRN, & RA-135 BLACK |

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**
**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**

# DYNAPATCH®
# MARK II MODULES
## STANDARD PATCH V.35

| | | | | |
|---|---|---|---|---|
| **2095200001**<br>**2095200002**<br>**2095200003**<br>**2095200004**<br>**2095200005** | | **EP-2-V.35W(MF) U TAN**<br>**EP-2-V.35W(MF) U RED**<br>**EP-2-V.35W(MF) U GREEN**<br>**EP-2-V.35W(MF) U BLACK**<br>**EP-2-V.35W(MF) U GRAY** | A THREE HOLE DIGITAL PATCH MODULE PROVIDING A NORMAL-THROUGH PATH AND NON-INTERRUPTIVE MONITORING PATCH ON LOWER,MON SOCKET AT THE FRONT OF JACK. WHEN NEEDED AN EPC PATCH CORD CAN BE INSERTED INTO EITHER THE MODEM OR COMP SOCKET BREAKING THE NORMAL THROUGH CONNECTION ALLOWING RE-CONFIGURATION OF THE CIRCUIT PATH IN THE EVENT OF A LINE OR EQUIPMENT FAILURE. THIS JACK COMES WITH 1 DB25F CONNECTOR WITH A ADAPTER FROM DB25M TO WINCHESTER V35F WITH WINCHESTER HARDWARE, AND 1 DB25M CONNECTOR WITH A ADAPTER FROM DB25F TO WINCHESTER V35M WITH WINCHESTER HARDWARE, ATTACHED. | RA-1 BRN, RA-1 BLACK, RA-1 RED, RA-1 GREEN |
| **2095100001**<br>**2095100002** | | **EP-2-V.35W(FF) U TAN**<br>**EP-2-V.35W(FF) U BLACK** | SAME AS ABOVE EXCEPT THE PATCH MODULE COMES WITH 2 DB25F CONNECTORS WITH 2 ADAPTERS FROM DB25M TO WINCHESTER V35F WITH WINCHESTER HARDWARE ATTACHED. | RA-1 BRN, RA-1 BLACK |
| **2095400001**<br>**2095400002** | | **EP-2-V.35W(MF) E TAN**<br>**EP-2-V.35W(MF) E BLACK** | SAME AS EP-2-V.35W(MF) BUT HAS EUROPEAN WIRED ADAPTERS. | RA-135 BRN, & RA-135 BLACK |

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**
**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**

# DYNAPATCH®
# MARK II MODULES
## STANDARD PATCH V.35

| | | | | |
|---|---|---|---|---|
| **GTCB06873M**<br>**GTCB07056M** | | **EP-235(E) TAN**<br>**EP-235(E) GRAY** | A THREE HOLE DIGITAL PATCH MODULE PROVIDING A NORMAL-THROUGH PATH AND NON-INTERRUPTIVE MONITORING PATCH ON LOWER MON SOCKET AT THE FRONT OF JACK. WHEN NEEDED AN EPC PATCH CORD CAN BE INSERTED INTO EITHER THE MODEM OR COMP SOCKET BREAKING THE NORMAL THROUGH CONNECTION ALLOWING RE-CONFIGURATION OF THE CIRCUIT PATH IN THE EVENT OF A LINE OR EQUIPMENT FAILURE. THIS JACK COMES WITH 1 WINCHESTER V35F CONNECTOR WITH WINCHESTER HARDWARE, AND 1 WINCHESTER V35M CONNECTOR WITH WINCHESTER HARDWARE. | RA-135 BRN, & RA-135 BLACK |

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**
**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**

# DYNAPATCH®
# MARK II MODULES
## STANDARD PATCH V.35


**EP-235(E) TAN**

# DYNAPATCH®
# MARK II MODULES
## ENHANCED PATCH V.35

| | | | | |
|---|---|---|---|---|
| **GTCB05313M**<br>**GTCB05491M** | | **EP-2M35 [E]**<br>**EP-2M35 [U]** | A THREE HOLE DIGITAL PATCH MODULE PROVIDING A NORMAL-THROUGH PATH AND NON-INTERRUPTIVE MONITORING PATCH ON LOWER MON SOCKET AT THE FRONT OF JACK. WHEN NEEDED AN EPC PATCH CORD CAN BE INSERTED INTO EITHER THE MODEM OR COMP SOCKET BREAKING THE NORMAL THROUGH CONNECTION ALLOWING RE-CONFIGURATION OF THE CIRCUIT PATH IN THE EVENT OF A LINE OR EQUIPMENT FAILURE. THIS JACK HAS 1 FEMALE WINCHESTER V35 TYPE CONNECTOR AND 1 MALE WINCHESTER V35 TYPE CONNECTOR MOUNTED ON THE PCB AND IS HARDWIRED TO THE PCB. THE MODULE IS DESIGNED TO MONITOR THE FOLLOWING 7 CIRCUITS BY LEDS ON THE FRONT OF THE MODULE : TD, RD, RTS, CTS, DSR, CD, AND DTR. LED COLOR INDICATES SIGNAL SOURCE, RED DCE SOURCE AND GREEN DTE SOURCE. AN ALARM FEATURE INCLUDED IN THIS MODULE. A PRE-SET ALARM DELAY ON CD DROP IS USER CONFIGURABLE 0-60 SECONDS BY MEANS OF A SCREW DRIVER ADJUSTMENT POT, LOCATED IN THE MONITOR SOCKET OF THE PATCH JACK. | RA-1C35 |
| **GTCB07026M**<br>**GTCB07802M** | | **EP-2M35D [E]**<br>**EP-2M35D [U]** | SAME AS ABOVE BUT HAS 2 DB25 CONNECTORS. | RA-1C.24,<br>RA-1C.35D,<br>RA-1C.21D |

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**
**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**

# DYNAPATCH®
# MARK II MODULES
## ENHANCED PATCH V.35

**EP-2M35 (E)**

**EP-2M35D(U)**

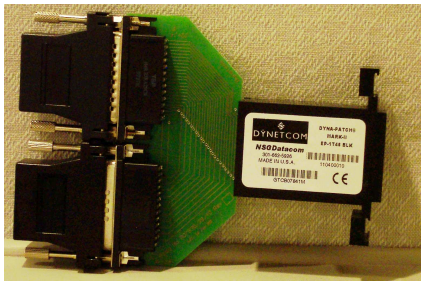
# DYNAPATCH®
# MARK II MODULES
## ECONOMY ENHANCED PATCH V.36 / RS449

| | | | | |
|---|---|---|---|---|
| **GTCB07628M** | | **EP-2EM36** | A THREE HOLE DIGITAL PATCH MODULE PROVIDING A NORMAL-THROUGH PATH AND NON-INTERRUPTIVE MONITORING PATCH ON LOWER MON SOCKET AT THE FRONT OF JACK. WHEN NEEDED AN EPC PATCH CORD CAN BE INSERTED INTO EITHER THE MODEM OR COMP SOCKET BREAKING THE NORMAL THROUGH CONNECTION ALLOWING RE-CONFIGURATION OF THE CIRCUIT PATH IN THE EVENT OF A LINE OR EQUIPMENT FAILURE. THIS JACK HAS ONE FEMALE DB37 AND ONE MALE DB37 W/440 JACKSCREWS AFFIXED TO THE MODULE. THE MODULE IS DESIGNED TO MONITOR THE FOLLOWING 7 CIRCUITS BY LED'S ON THE FRONT OF THE MODULE: TD, RD, RTS, CTS, DSR, CD, AND DTR. POWER FOR THE LED'S IS GENERATED BY THE INTERFACE CIRCUITS BEING MONITORED.THERE ARE 4 LINK HEADERS INSTALLED AND A 14-PIN RESISTOR NETWORK IN A 24-PIN DIP SOCKET. BOTH THE HEADERS AND THE MOVABLE RESISTOR NETWORK NEED TO BE INSTALLED IN THE CORRECT POSITIONS , DEPENDING ON WHETHER THE CUSTOMER IS MONITORING V11 BALANCED OR V10 UNBALANCED VERSION OF THE THE V.36 INTERFACE. THE FACTORY DEFAULT IS V11, AND ALL RS449 APPLICATIONS SHOULD USE THE V11 POSITION ALSO. THERE IS NO ALARM FEATURE INCLUDED IN THIS MODULE. | RA-1E36 |
| **GTCB17628M** | | **EP-2EM36 FF** | SAME AS ABOVE EXCEPT THE PATCH MODULE COMES WITH 2 DB37F CONNECTORS. | RA-1E36 |

# DYNAPATCH®
# MARK II MODULES
## MISCELLANEOUS STANDARD PATCH

| | | | | |
|---|---|---|---|---|
| **2002000008** | | **EP-2 W/NO CONNECTORS TAN** | A THREE HOLE DIGITAL PATCH MODULE PROVIDING A NORMAL-THROUGH PATH AND NON-INTERRUPTIVE MONITORING PATCH ON LOWER MON SOCKET AT THE FRONT OF JACK. WHEN NEEDED AN EPC PATCH CORD CAN BE INSERTED INTO EITHER THE MODEM OR COMP SOCKET BREAKING THE NORMAL THROUGH CONNECTION ALLOWING RE-CONFIGURATION OF THE CIRCUIT PATH IN THE EVENT OF A LINE OR EQUIPMENT FAILURE. THIS MODULE HAS NO CONNECTORS AND MUST HAVE CONNECTING WIRES SOLDERED TO THE UNIT. | RA-1 BRN |
| **2007000003** | | **EP-1 W/NO CONNECTORS TAN** | A SINGLE HOLE DIGITAL PATCH MODULE FOR SPARE EQUIPMENT. THIS MODULE HAS NO CONNECTORS AND HAVE CONNECTING WIRES SOLDERED TO THE UNIT. | RA-2 BRN |
| **GTCB07842M**<br>**GTCB17842M** | | **EP-1TCOAX BLACK**<br>**EP-1TCOAX TAN** | A SINGLE HOLE DIGITAL PATCH G703 / LAN / COAX MODULE WHICH OPTIMIZES THE MONITORING ACCESS ALLOWING A NON-INTERRUPTIVE T-CONNECTION OF CIRCUITS THROUGH EACH CHANNEL. FOUR BNC COAXIAL TYPE CONNECTORS AT THE REAR OF MODULE. | RA-2T BLK & RA-2T TAN |
| **GTCB07841M**<br>**GTCB17841M** | | **EP-1T.45 BLACK**<br>**EP-1T.45 TAN** | A SINGLE HOLE DIGITAL PATCH ETHERNET / TOKEN RING OR ISDN PRI MODULE WHICH OPTIMIZES THE MONITORING ACCESS FOR UP TO 8 CIRCUIT ( 4 PAIRS ) ALLOWING A NON-INTERRUPTIVE T-CONNECTION OF CIRCUITS THROUGH EACH CHANNEL. TWO RJ45 TYPE CONNECTORS AT THE REAR OF MODULE | RA-2T BLK & RA-2T TAN |

# DYNAPATCH®
# MARK II MODULES
## MISCELLANEOUS STANDARD PATCH




**EP-1T.45 BLACK**

# DYNAPATCH® MARK II MONITOR TEST MODULES

# DYNAPATCH®
# MARK II MODULES
## STANDARD PATCH V24 / RS232 / RS530
## POSITION 17

| | | | | |
|---|---|---|---|---|
| **2003000001**<br>**2003000002**<br>**2003000003**<br>**2003000004**<br>**GTCB06452M** | | **EPM-1.24 TAN**<br>**EPM-1.24 BLACK**<br>**EPM-1.24 GREEN**<br>**EPM-1.24 RED**<br>**EPM-1.24 GRAY** | TEST ACCESS MODULE WITH 2 DB25 FEMALE CONNECTORS W440 JACK-SCREWS. THE REAR DB25 FEMALE CONNECTOR IS FOR CONNECTION OF INSTALLED TEST OR MONITOR EQUIPMENT. THE FRONT D25 FEMALE CONNECTOR ALLOWS CONNECTION TO FREE-STANDING TEST OR MONITOR EQUIPMENT. THIS IS DONE BY USING AN EPC PATCH CORD BY CROSS PATCHING WITH AN EP-2.24 MODULE. WHEN MOUNTING IN THE RA-1CR BRN THE JACKSCREWS ON THE REAR DB25 FE-MALE CONNECTOR MUST BE REMOVED. | RA-1 BRN, RA-1 BLACK, RA-1 RED, RA-1 GREEN, RA-1CR BRN |
| **GTC130170J** | | **EPM-1.24 M2.6 TAN** | SAME AS EPM-1.24 BUT HAS M2.6 JACKSCREWS. | RA-1 BRN |
| **2003010001**<br>**2003010002**<br>**2003010003**<br>**2003010004**<br>**2003010005** | | **EPM-1.24 MOD8 TAN**<br>**EPM-1.24 MOD8 RED**<br>**EPM-1.24 MOD8 GREEN**<br>**EPM-1.24 MOD8 BLACK**<br>**EPM-1.24 MOD8 GRAY** | SAME AS EPM-1.24 BUT THE REAR FEMALE DB25 HAS A GROUND STRAP ATTACHED TO PIN 1 ON THE PCB. | RA-1 MOD8 BRN., RA-1 MOD8 RED, RA-1 MOD8 BLACK, RA-1 MOD8 GREEN |

# DYNAPATCH®
# MARK II MODULES

## STANDARD PATCH V24 / RS232 / RS530
## POSITION 17

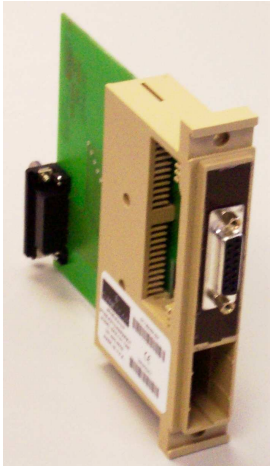
**EPM-1.24 TAN**

**EPM-1.24 RED**

# DYNAPATCH®
# MARK II MODULES

## STANDARD PATCH X.21
## POSITION 17

| | | | | |
|---|---|---|---|---|
| **GTCB03316M**<br>**GTCB07062M** | | **EPM-1.21 TAN**<br>**EPM-1.21 GRAY** | TEST ACCESS MODULE WITH 2 DB15 FEMALE CONNECTORS W440 JACKSCREWS. THE REAR DB15 FEMALE CONNECTOR IS FOR CONNECTION OF INSTALLED TEST OR MONITOR EQUIPMENT. THE FRONT DB15 FEMALE CONNECTOR ALLOWS CONNECTION TO FREE-STANDING TEST OR MONITOR EQUIPMENT. THIS IS DONE BY USING AN EPC PATCH CORD BY CROSS PATCHING WITH AN EP-2.21MODULE. | RA-1 BRN, RA-1 BLACK |
| **GTCB07426M** | | **EPM-1.21 M2.6 TAN** | SAME AS EPM-1.21BUT HAS M2.6 JACKSCREWS. | RA-1 BRN |
| **GTCB03316J** | | **EPM-1.21 M3 TAN** | SAME AS EPM-1.21BUT HAS M3 JACKSCREWS. | RA-1 BRN |



**EPM-1.21 TAN**

**EPM-1.21 GRAY**

# DYNAPATCH®
# MARK II MODULES

## STANDARD PATCH V.35
## POSITION 17

| | | | | |
|---|---|---|---|---|
| **GTCB07759M**<br>**GTCB07757M**<br>**GTCB07756M**<br>**GTCB07758M** | | **EPM-1C35[E] TAN**<br>**EPM-1C35[E] BLACK**<br>**EPM-1C35[U] TAN**<br>**EPM-1C35[U] BLACK** | TEST ACCESS MODULE WITH 1 M34 WINCHESTER V35 STYLE CONNECTOR AT THE FRONT AT THE FRONT TO ALLOW CONNECTION TO FREE STANDING TEST OR MONITOR EQUIPMENT BY CROSS PATCHING FROM AN EP-235 MODULE. | RA-1 BRN, RA-1 BLACK,RA-135 BRN, AND RA-135 BLACK |

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**
**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**


**EPM-1C35[E] BLACK**

# DYNAPATCH®
# MARK II MODULES
## ECONOMY ENHANCED PATCH V24 / RS232
## POSITION 17

| | | | | |
|---|---|---|---|---|
| **GTCB05208M** | | **EPM-1E.24** | TEST ACCESS MODULE WITH 2 DB25 FEMALE CONNECTORS W440 JACKSCREWS. THE REAR DB25 FEMALE CONNECTOR IS FOR CONNECTION OF INSTALLED TEST OR MONITORING EQUIPMENT. THE FRONT DB25 FEMALE CONNECTOR ALLOWS CONNECTION TO FREE-STANDING TEST OR MONITOR EQUIPMENT. THIS IS DONE BY USING AN EPC PATCH CORD BY CROSS PATCHING WITH AN EP-2EM.24 MODULE. | RA-1E |

**EPM-1E.24**

# DYNAPATCH®
# MARK II MODULES

## ENHANCED PATCH V24 / RS232
## POSITION 17

| | | | | |
|---|---|---|---|---|
| **GTCB05224M** | | **EPM-1C.24** | TEST ACCESS MODULE WITH 2 DB25 FEMALE CONNECTORS. THE REAR DB25 FEMALE CONNECTOR IS FOR CONNECTION OF INSTALLED TEST OR MONITOR EQUIPMENT. IT IS MOUNTED IN AN RA-1C CHASSIS THAT HAS A METAL REAR PANEL, WITH 440 CABLE MOUNTING HARDWARE, WHICH ALLOWS EASY REMOVAL OF JACKS WITHOUT HAVING TO DISCONNECT THE CABLING. THE FRONT DB25 FEMALE CONNECTOR W440 JACKSCREWS ALLOWS CONNECTION TO FREE-STANDING TEST OR MONITOR EQUIPMENT. THIS IS DONE BY USING AB EPC PATCH CORD BY CROSS PATCHING WITH AB EP-2M.24 MODULE. | RA-1C24 |
| **GTCB05224J** | | **EPM-1C24 M2.6** | SAME AS EPM-1C24 BUT HAS M2.6 JACKSCREWS ON FRONT DB25 FEMALE CONNECTOR . AND THE REAR PANEL OF THE RA-1C24 HAS M2.6 HARDWARE MOUNTED TO IT. | RA-1C24 M2.6 |

# DYNAPATCH®
# MARK II MODULES

## ENHANCED PATCH X.21
## POSITION 17

| | | | | |
|---|---|---|---|---|
| **GTCB05627M** | | **EPM-1C.21** | TEST ACCESS MODULE WITH 2 DB15 FEMALE CONNECTORS. THE REAR D15 FEMALE CONNECTOR IS FOR CONNECTION OF INSTALLED TEST OR MONITOR EQUIPMENT. IT IS MOUNTED IN AN RA-1C21 CHASSIS THAT HAS A METAL REAR PANEL, WITH 440 CABLE MOUNTING HARDWARE, WHICH ALLOWS EASY REMOVAL OF JACKS WITHOUT HAVING TO DISCONNECT THE CABLING. THE FRONT DB15 FEMALE CONNECTOR W440 JACKSCREWS ALLOWS CONNECTION TO FREE-STANDING TEST OR MONITOR EQUIPMENT. THIS IS DONE BY USING AN EPC PATCH CORD BY CROSS PATCHING WITH AN EP-2M.21 OR EP-21AM MODULE. | RA-1C21 |
| **GTCB07646M** | | **EPM-1C21 M2.6** | SAME AS EPM-1C21 BUT HAS M2.6 JACKSCREWS ON FRONT DB15 FEMALE CONNECTOR . AND THE REAR PANEL OF THE RA-1C21 HAS M2.6 HARDWARE MOUNTED TO IT. | RA-1C21M2.6 |
| **GTCB07409M** | | **EPM-1C21 M3** | SAME AS EPM-1C21BUT HAS M3 JACKSCREWS ON FRONT D15 FEMALE CONNECTOR . AND THE REAR PANEL OF THE RA-1C21 HAS M3 HARDWARE MOUNTED TO IT | RA-1C21M3 |


**EPM-1C21 TAN**

# DYNAPATCH®
# MARK II MODULES

## ENHANCED PATCH V.35
## POSITION 17

| | | | | |
|---|---|---|---|---|
| **GTCB07757M**<br>**GTCB07758M** | | **EPM-1C35[E]**<br>**EPM-1C35[U]** | TEST ACCESS MODULE WITH 1 M34 WINCHESTER V35 STYLE CONNECTOR AT THE FRONT AT THE FRONT TO ALLOW CONNECTION TO FREE STANDING TEST OR MONITOR EQUIPMENT BY CROSS PATCHING FROM AN EP-235 MODULE. | RA-1C35E AND RA-1C35U |

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**
**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**


**EPM-1C35[E]**

# DYNAPATCH® MARK II MONITOR ACCESS MODULES

# DYNAPATCH®
# MARK II MODULES

## STANDARD PATCH V24 / RS232
## POSITION 18

| | | | | |
|---|---|---|---|---|
| **2014000001**<br>**2014000002**<br>**2014000003**<br>**2014000004**<br>**2014000005** | | **EPM-2 MONITOR MODULE 100-240V CE TAN**<br>**EPM-2 MONITOR MODULE 100-240V CE BLACK**<br>**EPM-2 MONITOR MODULE 100-240V CE GRAY**<br>**EPM-2 MONITOR MODULE 100-240V CE RED**<br>**EPM-2 MONITOR MODULE 100-240V CE GREEN** | MONITOR ACCESS MODULE WITH ELEVEN LED INDICATORS, A MULTI-RANGE POWER SUPPLY 100-240 VAC, AND A FRONT PATCH SOCKET FOR CROSS PATCHING FROM THE MON SOCKET OF AN EP-2. THE RS232 LED INDICATORS FOR MONITORING TD, RD, RTS, CTS, DSR, CD, TC, RC, DTR,RI, AND TCT. MODULAR POWER CORD, AVAILABLE FOR COUNTRY OF ORIGIN. | RA-1 BRN, RA-1 BLACK, RA-1 RED, RA-1 GREEN, RA-1CR BRN, RA-1 MOD8 BRN., RA-1 MOD8 RED, RA-1 MOD8 BLACK, RA-1 MOD8 GREEN |
| | | | | |

# DYNAPATCH®
# MARK II MODULES

## STANDARD PATCH V24 / RS232
## POSITION 18

# DYNAPATCH®
# MARK II MODULES

## STANDARD PATCH RS530
## POSITION 18

| | | | | |
|---|---|---|---|---|
| **2014000011**<br>**2014000012**<br>**2014000013**<br>**2014000014**<br>**2014000015** | | **EPM-2.530 MONITOR MODULE 100-240 VAC CE TAN**<br>**EPM-2.530 MONITOR MODULE 100-240 VAC CE BLACK**<br>**EPM-2.530 MONITOR MODULE 100-240 VAC CE GRAY**<br>**EPM-2.530 MONITOR MODULE 100-240 VAC CE RED**<br>**EPM-2.530 MONITOR MODULE 100-240 VAC CE GREEN** | MONITOR ACCESS MODULE WITH NINE LED INDICATORS, A MULTI-RANGE POWER SUPPLY 100-240 VAC, AND A FRONT PATCH SOCKET FOR CROSS PATCHING FROM THE MON SOCKET OF A EP-2. THE RS530 LED INDICATORS MONITOR TD, RD, RTS, CTS, DSR, CD, TC, RC, AND DTR WITH BALANCED CIRCUITRY. COMES WITH A MODULAR POWER CORD, SPECIFIC TO COUNTRY | RA-1 BRN, RA-1 BLACK, RA-1 RED, RA-1 GREEN, RA-1CR BRN, RA-1 MOD8 BRN., RA-1 MOD8 RED, RA-1 MOD8 BLACK, RA-1 MOD8 GREEN |

# DYNAPATCH®
# MARK II MODULES

## STANDARD PATCH X.21
## POSITION 18

| | | | | |
|---|---|---|---|---|
| **2014000006**<br>**2014000007**<br>**2014000008**<br>**2014000009**<br>**2014000010** | | **EPM-2.21 MONITOR MODULE 100-240VAC CE TAN**<br>**EPM-2.21 MONITOR MODULE 100-240VAC CE BLACK**<br>**EPM-2.21 MONITOR MODULE 100-240VAC CE GRAY**<br>**EPM-2.21 MONITOR MODULE 100-240VAC CE RED**<br>**EPM-2.21 MONITOR MODULE 100-240VAC CE GREEN** | MONITOR ACCESS MODULE WITH SIX LED INDICATORS, A MULTI-RANGE POWER SUPPLY 100-240 VAC, AND A FRONT PATCH SOCKET FOR CROSS PATCHING FROM THE MON SOCKET OF AN EP-2. THE X.21 LED INDICATORS FOR MONITORING QUIESCENT STATES 1, 14, 18, 22, 23, AND 24 WITH HIGH IMPEDANCE MONITOR. CE APPROVED. MODULAR POWER CORD AVAILABLE FOR COUNTRY OF ORIGIN. | RA-1 BRN, RA-1 BLACK, RA-1CR BRN, RA-1 MOD8 BRN., RA-1 MOD8 BLACK |
| | | | SPECIFY POWER CORD TYPE | |

# DYNAPATCH®
# MARK II MODULES

## ECONOMY ENHANCED PATCH V24/RS232
## POSITION 18

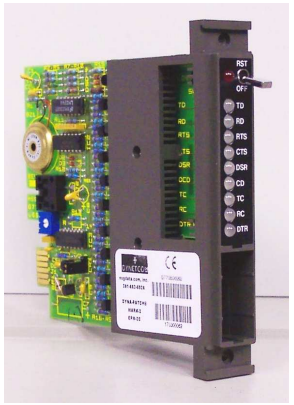
| | | | | |
|---|---|---|---|---|
| **GTCB05215ME**<br><br>**GTCB05215MUK**<br><br>**GTCB05215MUS** | | **EPM-2E.24 MONITOR MODULE 220-240V CE W/ EUROPEAN POWER CORD**<br>**EPM-2E.24 MONITOR MODULE 220-240V CE W/UK POWER CORD**<br>**EPM-2E.24 MONITOR MODULE 90-120V CE W/U.S. POWER CORD** | MONITOR ACCESS MODULE WITH ELEVEN LED INDICATORS, A SEPARATE POWER SUPPLY WHICH MOUNTS ON A PLATE ON THE REAT OF THE RA-1E, AND A FRONT PATCH SOCKET FOR CROSS PATCHING FROM THE MON SOCKET OF AN EP-2EM.24. THE RS232 LED INDICATORS FOR MONITORING TD, RD, RTS, CTS, DSR, CD, TC, RC, DTR,RI, AND TCT. CE APPROVED. | RA-1E |


**EPM-2E.24**

# DYNAPATCH®
# MARK II MODULES

## ENHANCED PATCH V24 / RS232
## POSITION 18

| | | | | |
|---|---|---|---|---|
| **G770B06560** | | **EPM-2C.24 MONITOR MODULE** | MONITOR/ALARM ACCESS MODULE WHICH IS SUPPLIED WITH RA-1C.24 IN THE 18 POSITION. IT PROVIDES ALARM AND TRI-STATE LED INTERFACE MONITOR FACILITIES, WHEN PATCHED TO AN EP-2M.24. THE RS232 LED INDICATORS FOR MONITORING TD, RD, RTS, CTS, DSR, CD, TC, RC, AND DTR. CE APPROVED. SPARES CAN BE PURCHASE SEPARATELY. | RA-1C.24 |




**EPM-2C.24**

# DYNAPATCH®
# MARK II MODULES
## ENHANCED PATCH X.21
## POSITION 18

| | | | | |
|---|---|---|---|---|
| **G770B05621** | | **EPM-2C.21 MONITOR MODULE** | MONITOR/ALARM ACCESS MODULE WHICH IS SUPPLIED WITH RA-1C.21 AND RA-1C21D IN THE 18 POSITION. IT PROVIDES ALARM AND TRI-STATE LED INTERFACE MONITOR FACILITIES, WHEN PATCHED TO AN EP-2M.21, EP-2M21AM, EP-2M21D OR EP-2M21AMD. THE X.21 LED INDICATORS FOR MONITORING QUIESCENT STATES 1, 14, 18, 22, 23, AND 24. CE APPROVED. SPARES CAN BE PURCHASED SEPARATELY. | RA-1C.21, AND RA-1C.21D |

# DYNAPATCH®
# MARK II MODULES

## ENHANCED PATCH V.35
## POSITION 18

| | | | | |
|---|---|---|---|---|
| **G770B05316**<br>**G770B05488** | | **EPM-2C.35E MONITOR MODULE**<br>**EPM-2C.35U MONITOR MODULE** | MONITOR/ALARM ACCESS MODULE WHICH IS SUPPLIED WITH RA-1C.35 AND RA-1C35D IN THE 18 POSITION. IT PROVIDES ALARM AND TRI-STATE LED INTERFACE MONITOR FACILITIES, WHEN PATCHED TO AN EP-2M.35E, EP-2M35DE, EP-2M35U OR EP-2M.35DU. THE V.35 LED INDICATORS FOR MONITORING TD, RD, RTS, CTS, DSR, CD, TC, RC, AND DTR. CE APPROVED. SPARES CAN BE PURCHASED SEPARATELY. | RA-1C.35, AND RA-1C.35D |

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**
**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**

# DYNAPATCH® MARK II FILLER PANELS

# DYNAPATCH®
# MARKII BLANK FILLER MODULES

| | | | |
|---|---|---|---|
| **2002509001**<br>**2002509003**<br>**2002509004**<br>**2002509005**<br>**GTCB05209M** | | **EPB-1 TAN**<br>**EPB-1 BLACK**<br>**EPB-1 RED**<br>**EPB-1 GREEN**<br>**EPB-1C/EPB-1 GRAY** | FILLER PANELS FOR THE RA-1 BRN.<br>FILLER PANELS FOR THE RA-1 BLACK.<br>FILLER PANELS FOR THE RA-1 RED.<br>FILLER PANELS FOR THE RA-1 GREEN.<br>FILLER PANELS FOR THE RA-1 BLACK WITH GRAY PATCH JACKS |
| **GTCB05209M** | | **EPB-1C/EPB-1 GRAY** | FILLER PANELS FOR THE RA-1E, RA-1C24, RA-1C21, RA-1C21D, RA-1C35U, RA-1C35DU, RA-1C35E, AND RA1-C35DE |
| **2002570001**<br>**2002570003**<br>**2002570005** | | **MPB-1 BROWN**<br>**MPB-1 GRAY**<br>**MPB-1 BLACK** | DIGITAL PORT BLANKS THAT CAN PUSHED INTO EITHER THE COMP, MODEM OR MONITOR PATCH POSITIONS OF THE MARK 2 JACK TO HALT ACCESS TO THAT PARTICULAR PATCH JACK POSITION. |
| **2007609001**<br>**2007609002**<br>**2007609003** | | **EPB-2 TAN**<br>**EPB-2 BLACK**<br>**EPB-2 GRAY** | FILLER PANELS FOR THE RA-2 AND THE RA-2T |
| **GTCB07629M** | | **EPB-4C GRAY** | FILLER PANELS FOR THE RA-1E36. |

# DYNAPATCH®
# MARK II BLANK FILLER MODULES

MPB-1 BROWN

MPB-1 BLACK

MPB-1 GRAY

EPB-1 TAN

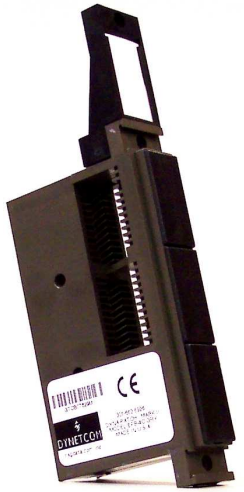
EPB-1 BLACK

EPB-1 RED

EPB-1C/EPB-1 GRAY

EPB-2 TAN

EPB-2 BLACK



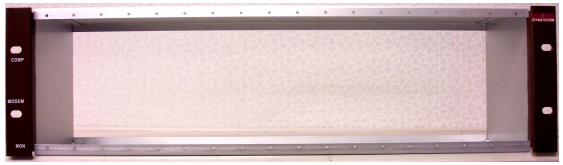
EPB-4C GRAY

# DYNAPATCH® MARK II RACK ADAPTERS

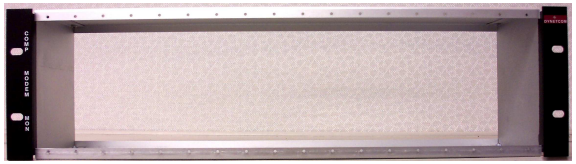
# RACK ADAPTER

## STANDARD PATCH

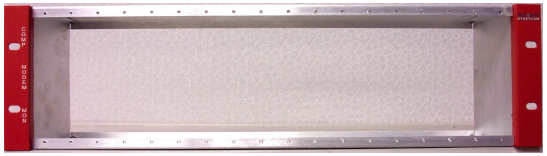
| | | | |
|---|---|---|---|
| **2002700001**<br>**2002700002**<br>**2002700005**<br>**2002700006** | | **RA-1 BROWN**<br>**RA-1 BLACK**<br>**RA-1 RED**<br>**RA-1 GREEN** | 3U (5¼") HIGH CHASSIS WITH EIGHTEEN SLOTS THAT WILL HOLD ANY COMBINATION OF EP-2'S AND RELATED MODULES. |
| **2002700011** | | **RA-1CR BROWN** | SAME AS AN RA-1 RACK ADAPTER, BUT W/REAR PLATE FOR OFF SET EP-2CR'S AND STANDOFFS FOR MOUNTING CABLES AND GROUND LUG. WILL HOLD 16 EP-2C,1 EPM-1 AND 1 EPM-2. |
| **2002810001**<br>**2002810002**<br>**2002810003** | | **RA-1 MOD8 BROWN**<br>**RA-1 MOD8 BLACK**<br>**RA-1 MOD8 RED** | SAME AS AN RA-1 RACK ADAPTER, BUT WITH A GROUNDING BAR FOR USE WITH EP-2.24 MOD8, EPM-1.24MOD8, AND ANY EPM-2.24 OR EPM-2 530 |
| **2002800001**<br>**2002800002** | | **RA-1.35 BROWN**<br>**RA-1.35 BLACK** | 3U (5¼") HIGH CHASSIS WITH EIGHTEEN SLOTS AND IS DEEPER SO THAT IT WILL HOLD ANY COMBINATION OF EP-2.35E,EP-2.35WE AND RELATED MODULES. |



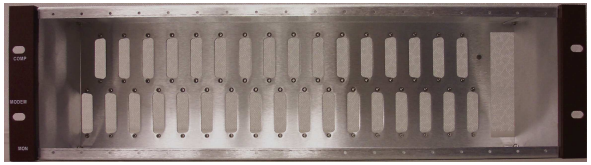
**RA-1 BROWN**



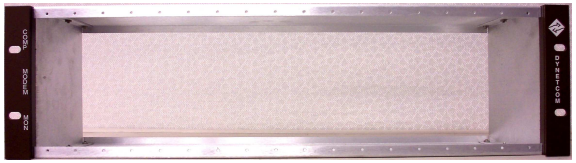
**RA-1 BLACK**



**RA-1 RED**



**RA-1CR BROWN**



**RA-1.35 BROWN**

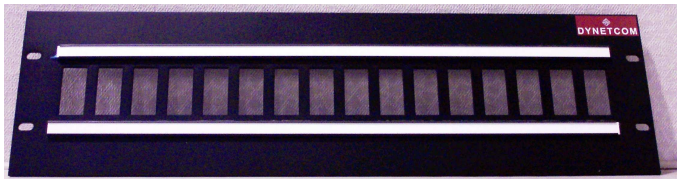
# RACK ADAPTERS

## STANDARD PATCH

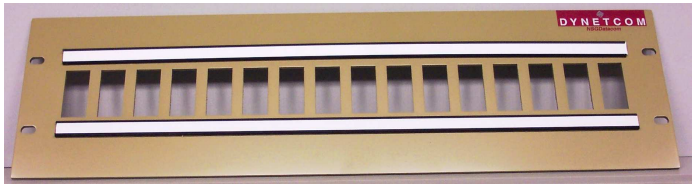
| | | | |
|---|---|---|---|
| **2007700001**<br>**2007700002** | | **RA-2 BROWN**<br>**RA-2 BLACK** | 2U (3¼") HIGH 19" CHASSIS WITH EIGHTEEN SLOTS THAT WILL HOLD ANY COMBINATION OF EP-1'S. |
| **GTCB07857M**<br>**GTCB17857M** | | **RA-2T BLACK**<br>**RA-2T TAN** | 3U (5¼") HIGH, 19" PANEL WITH SIXTEEN SLOTS THAT WILL HOLD ANY COMBINATION OF EP-1T'S. |

**RA-2 BLACK**

**RA-2 BROWN**




**RA-2T BLACK**




**RA-2T TAN**

# RACK ADAPTERS

## ECONOMY ENHANCED PATCH

| | | | |
|---|---|---|---|
| **GTCB05212M** | | **RA-1E** | 3U (5¼") HIGH CHASSIS WITH EIGHTEEN SLOTS THAT WILL HOLD UP TO EIGHTEEN EP-2EM.24, ONE EPM-1E24 IN SLOT 17 OR 18, AND ONE EPM-2E24 IN SLOT 18 WITH POWER SUPPLY MOUNTING PLATE ATTACHED. |
| **GTCB07627M** | | **RA-1E36** | 4U (7") HIGH CHASSIS WITH EIGHTEEN SLOTS THAT WILL HOLD UP TO SIXTEEN EP-2EM.36, SLOT 17 AND SLOT 18 COME WITH EPB-4 BLANK FILLER PANELS MOUNTED, WHICH CAN BE REMOVED TO ALLOW FOR TWO EXTRA EP-2EM.36 MODULES. |

# RACK ADAPTERS

## ENHANCED PATCH

THE POWER SOURCE IS AN AUTO RANGING POWER SUPPLY (85-265 VAC). PLEASE SPECIFY POWER CORD STYLE.

| | | | |
|---|---|---|---|
| **GTCB05223M** | | **RA-1C W/EPM-2C MONITOR MODULE** | 3U (5¼") HIGH CHASSIS WITH DB25 SLOTS FOR UP TO SIXTEEN EP-2M.24 PATCH/MONITOR JACKS. THE 17 SLOT IS FOR THE EPM-1C24 TEST ACCESS MODULE. THE 18 SLOT COMES WITH THE EPM-2C24 INSTALLED. THIS CHASSIS HAS METAL REAR PANEL, WITH 440 CABLE MOUNTING HARDWARE, WHICH ALLOWS EASY REMOVAL OF JACKS WITHOUT HAVING TO DISCONNECT THE CABLING. (THIS CHASSIS CAN HAVE EP-2M.24, EP-2M.35D, AND EP-2M.21AMD JACKS MIXED TOGETHER IN IT.) |
| **GTCB06069M** | | **RA-1C M2.6 W/EPM-2C MONITOR MODULE** | SAME AS RA-1C EXCEPT THE REAR PANEL HAS M2.6 CABLE MOUNTING HARDWARE. |
| **GTCB05628M** | | **RA-1C21 W/EPM-2C21 MONITOR MODULE** | 3U (5¼") HIGH CHASSIS WITH DB15 SLOTS FOR UP TO SIXTEEN EP-2M.21OR EP-2M21AM PATCH/MONITOR JACKS. THE 17 SLOT IS FOR THE EPM-1C21 TEST ACCESS MODULE. THE 18 SLOT COMES WITH THE EPM-2C21 INSTALLED. THIS CHASSIS HAS METAL REAR PANEL, WITH 440 CABLE MOUNTING HARDWARE, WHICH ALLOWS EASY REMOVAL OF JACKS WITHOUT HAVING TO DISCONNECT THE CABLING. |
| **GTCB07008M** | | **RA-1C21 M2.6 W/EPM-2C21 MONITOR MODULE** | SAME AS RA-1C21 EXCEPT THE REAR PANEL HAS M2.6 CABLE MOUNTING HARDWARE. |

# RACK ADAPTERS

## ENHANCED PATCH

THE POWER SOURCE IS AN AUTO RANGING POWER SUPPLY(85-265 VAC). PLEASE SPECIFY POWER CORD STYLE

| | | | |
|---|---|---|---|
| **GTCB07407M** | | **RA-1C21 M3 W/EPM-2C21 MONITOR MODULE** | SAME AS RA-1C21 EXCEPT THE REAR PANEL HAS M3 CABLE MOUNTING HARDWARE. |
| **GTCB07119M** | | **RA-1C21D W/EPM-2C21 MONITOR MODULE** | 3U (5¼") HIGH CHASSIS WITH DB25 SLOTS FOR UP TO SIXTEEN EP-2M.21D OR EP-2M21AMD PATCH/MONITOR JACKS. THE 17 SLOT IS FOR THE EPM-1C21 TEST ACCESS MODULE. THE 18 SLOT COMES WITH THE EPM-2C21 INSTALLED. THIS CHASSIS HAS METAL REAR PANEL, WITH 440 CABLE MOUNTING HARDWARE, WHICH ALLOWS EASY REMOVAL OF JACKS WITHOUT HAVING TO DISCONNECT THE CABLING WHEN USING THE EP-2M24 OR THE EP-2M35D JACKS. THE EP-2M.21D AND EP-2M21AMD COME WITH 440 HARDWARE MOUNTED TO THE JACK. (THIS CHASSIS CAN HAVE EP-2M.24, EP-2M.35D, AND EP-2M.21AMD JACKS MIXED TOGETHER IN IT.) |
| **GTCB05309M** | | **RA-1C35[E] W/EPM-2C35[E] MONITOR MODULE** | 3U (5¼") HIGH CHASSIS WITH CUTOUTS FOR M34 WINCHESTER V35 CONNECTORS. THE CHASSIS WILL HOLD UP TO UP TO SIXTEEN EP-2M35E PATCH/MONITOR JACKS. THE 17 SLOT IS FOR THE EPM-1C35E TEST ACCESS MODULE. THE 18 SLOT COMES WITH THE EPM-2C35E INSTALLED. THIS CHASSIS HAS METAL REAR PANEL, WITH M34 WINCHESTER V35 CABLE MOUNTING HARDWARE, WHICH ALLOWS EASY REMOVAL OF JACKS WITHOUT HAVING TO DISCONNECT THE CABLING |

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**
**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**
**V35 E AND U CARDS CANNOT BE MIXED IN A CHASSIS**

# RACK ADAPTERS

## ENHANCED PATCH

THE POWER SOURCE IS AN AUTO RANGING POWER SUPPLY (85-265 VAC). PLEASE SPECIFY POWER CORD STYLE

| | | | |
|---|---|---|---|
| **GTCB07025M** | | **RA-1C35D[E] W/EPM-2C35[E] MONITOR MODULE** | 3U (5¼") HIGH CHASSIS WITH DB25 SLOTS FOR UP TO SIXTEEN EP-2M35DE PATCH/MONITOR JACKS. THE 17 SLOT IS FOR THE EPM-1C35E TEST ACCESS MODULE. THE 18 SLOT COMES WITH THE EPM-2C35E INSTALLED. THIS CHASSIS HAS METAL REAR PANEL, WITH 440 CABLE MOUNTING HARDWARE, WHICH ALLOWS EASY REMOVAL OF JACKS WITHOUT HAVING TO DISCONNECT THE CABLING.<br>(THIS CHASSIS CAN HAVE EP-2M.24, EP-2M.35DE, AND EP-2M.21AMD JACKS MIXED TOGETHER IN IT.) |
| **GTCB05639M** | | **RA-1CV35(U) W/EPM-2C35[U] MONITOR MODULE** | 3U (5¼") HIGH CHASSIS WITH CUTOUTS FOR M34 WINCHESTER V35 CONNECTORS. THE CHASSIS WILL HOLD UP TO UP TO SIXTEEN EP-2M35U PATCH/MONITOR JACKS. THE 17 SLOT IS FOR THE EPM-1C35U TEST ACCESS MODULE. THE 18 SLOT COMES WITH THE EPM-2C35U INSTALLED. THIS CHASSIS HAS METAL REAR PANEL, WITH M34 WINCHESTER V35 CABLE MOUNTING HARDWARE, WHICH ALLOWS EASY REMOVAL OF JACKS WITHOUT HAVING TO DISCONNECT THE CABLING |

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**
**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**
**V35 E AND U CARDS CANNOT BE MIXED IN A CHASSIS**

# RACK ADAPTERS

## ENHANCED PATCH

THE POWER SOURCE IS AN AUTO RANGING POWER SUPPLY(85-265 VAC). PLEASE SPECIFY POWER CORD STYLE

| | | | |
|---|---|---|---|
| **GTCB07801M** | | **RA-1CV35D(U) W/EPM-2C35[U] MONITOR MODULE** | 3U (5¼") HIGH CHASSIS WITH DB25 SLOTS FOR UP TO SIXTEEN EP-2M35D(U) PATCH/MONITOR JACKS. THE 17 SLOT IS FOR THE EPM-1C35U TEST ACCESS MODULE. THE 18 SLOT COMES WITH THE EPM-2C35U INSTALLED. THIS CHASSIS HAS METAL REAR PANEL, WITH 440 CABLE MOUNTING HARDWARE, WHICH ALLOWS EASY REMOVAL OF JACKS WITHOUT HAVING TO DISCONNECT THE CABLING.<br>(THIS CHASSIS CAN HAVE EP-2M.24, EP-2M.35DU, AND EP-2M.21AMD JACKS MIXED TOGETHER IN IT.) |

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**
**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**
**V35 E AND U CARDS CANNOT BE MIXED IN A CHASSIS**

# DYNAPATCH® MARK II
# RACK ADAPTER
# POWER SUPPLIES

# RACK ADAPTER POWER SUPPLIES

## SPARES

| | | | | |
|---|---|---|---|---|
| **2094500001** | | **RA-1C[LINEAR] POWER SUPPLY** | 110-120 VAC LINEAR POWER SUPPLY WITH U.S. POWER CORD. | FOR ALL VERSIONS OF RA-1C WITH LINEAR POWER SUPPLIES |
| **G770B05293UK**<br>**G770B05293E**<br>**G770B05293A**<br>**G770B05293IL** | | **RA-1C[LINEAR] POWER SUPPLY W/ UK POWER CORD**<br>**RA-1C[LINEAR] POWER SUPPLY W/ EUROPEAN POWER CORD**<br>**RA-1C[LINEAR] POWER SUPPLY W/ AUSTRALIAN POWER CORD**<br>**RA-1C[LINEAR] POWER SUPPLY W/ ISRAELI POWER CORD** | 220-240 VAC LINEAR POWER SUPPLY | FOR ALL VERSIONS OF RA-1C WITH LINEAR POWER SUPPLIES |
| **G345000041*** | | **RA-1C POWER SUPPLY** | 85-265 VAC UNIVERSAL POWER SUPPLY BRICK | FOR ALL VERSIONS OF RA-1C WITH UNIVERSAL POWER SUPPLIES |
| **G345000031** | | **PSU CE-250/S 5VDC W/US PLUG** | 110-120 VAC TO 5 VDC | RA-1E |
| **G345000122**<br>**G345000222** | | **PSU CE-250/S 9VDC W/UK PLUG**<br>**PSU CE-250/S 9VDC W/EURO PLUG** | 220-240 VAC TO 9 VDC BRICK | RA-1E |

*** PLEASE STATE POWER CORD TYPE WHEN PLACING ORDER**

# DYNAPATCH® MARK II PAK CONFIGURATIONS

# DYNAPATCH® MARK II PAK'S

## STANDARD PATCH V24/RS232

| PART NUMBER | PRICE | DESCRIPTION | CHASSIS | SLOTS 1-16 | SLOT 17 | SLOT 18 | OPTIONS INCLUDED |
|---|---|---|---|---|---|---|---|
| 2093010002 | | PAK-810-01 BLACK | RA-2 BLK | EP-1 BLK | EP-1 BLK | EP-1 BLK | NONE |
| 2093010001 | | PAK-810-01 TAN | RA-2 BRN | EP-1 TAN | EP-1 TAN | EP-1 TAN | NONE |
| GTC130400M | | PAK-001-01 TAN | RA-2 BRN | EP-1 TAN | EPB-2 TAN | EPB-2 TAN | NONE |
| GTC130401M | | PAK-001-01 (BLK) | RA-2 BLK | EP-1 BLK | EPB-2 BLK | EPB-2 BLK | NONE |
| GTC130402M | | PAK-001-01 (BLK/GRY) | RA-2 BLK | EP-1 GRY | EPB-2 GRY | EPB-2 GRY | NONE |
| GTCB07858M | | PAK-001-TI (BLK) | RA-2T BLK | EP-1T BLK | N/A | N/A | NONE |
| GTC130410M | | PAK-002-01 TAN | RA-1 BRN | EP-2 TAN | EPB-1 TAN | EPB-1 TAN | NONE |
| GTC130411M | | PAK-002-01 BLK | RA-1 BLK | EP-2 BLK | EPB-1 BLK | EPB-1BLK | NONE |
| 2093040001 | | PAK-820-01TAN | RA-1 BRN | EP-2 TAN | EP-2 TAN | EP-2 TAN | NONE |
| 2093040004 | | PAK-820-01 BLACK | RA-1 BLK | EP-2 BLK | EP-2 BLK | EP-2 BLK | NONE |
| 2093040007 | | PAK-820-01 RED | RA-1 RED | EP-2 RED | EP-2 RED | EP-2 RED | NONE |
| 2093040003 | | PAK-820-02 TAN | RA-1 BRN | EP-2FF TAN | EP-2FF TAN | EP-2FF TAN | NONE |
| 2093040005 | | PAK-820-L2 BLACK | RA-1 BLK | EP-2 BLK | EP-2 BLK | EP-2 BLK | 18 LAMP-2 BLK |
| 2093040002 | | PAK-820-L2 TAN | RA-1 BRN | EP-2 TAN | EP-2 TAN | EP-2 TAN | 18 LAMP-2 TAN |
| 2093030009 | | PAK-820-01 W/1LAMPII | RA-1 BRN | EP-2 TAN | EP-2 TAN | EP-2 TAN | 1 LAMP 2 TAN |

# DYNAPATCH® MARK II PAK'S

## STANDARD PATCH V24/RS232

| PART NUMBER | PRICE | DESCRIPTION | CHASSIS | SLOTS 1-16 | SLOT 17 | SLOT 18 | OPTIONS INCLUDED |
|---|---|---|---|---|---|---|---|
| 2093030001 | | PAK-002-02 115V TAN UL US POWER CORD | RA-1 BRN | EP-2 TAN | EPM-1 TAN | EPM-2 TAN 115V UL | NONE |
| 2093030004 | | PAK-002-02 115V BLACK UL US POWER CORD | RA-1 BLK | EP-2 BLK | EPM-1 BLK | EPM-2 BLK 115V UL | NONE |
| 2093030005 | | PAK-002-02 115V RED UL US POWER CORD | RA-1 RED | EP-2 RED | EPM-1 RED | EPM-2 RED 115V UL | NONE |
| 2093030101 | | PAK-002-02-230V TAN UL US POWER CORD | RA-1 BRN | EP-2 TAN | EPM-1 TAN | EPM-2 TAN 230V UL | NONE |
| 2093030008 | | PAK-002-02CR 115V TAN UL US POWER CORD | RA-1CR BRN | EP-2CR TAN | EPM-1 TAN | EPM-2 TAN 115V UL | NONE |
| GTC130420M | | PAK-002-002 | RA-1 BRN | EP-2 TAN | EPM-1 TAN | EPM-2 TAN 230V CE | NONE |
| 2093030003 | | PAK-002-03 115V TAN UL US POWER CORD | RA-1 BRN | EP-2FF TAN | EPM-1 TAN | EPM-2 TAN 115V UL | NONE |
| GTCB06453M | | PAK-002-G1 | RA-1 BLK | EP-2 GRY | EPB-1C/EPB-1 GRY | EPB-1C/EPB-1 GRY | NONE |
| GTCB06454M | | PAK-002-G2 | RA-1 BLK | EP-2 GRY | EPM-1 GRY | EPM-2 GRY 230V CE | NONE |
| 2093030007 | | PAK-002-02 W/1LAMPII | RA-1 BRN | EP-2 TAN | EPM-1 TAN | EPM-2 TAN 115V UL | 1 LAMP 2 TAN |
| 2093030002 | | PAK-002-L2 TAN | RA-1 BRN | EP-2 TAN | EP-2 TAN | EPM-1 TAN | 17 LAMP-2 TAN |
| 2093030006 | | PAK-002-L2 BLK | RA-1 BLK | EP-2 BLK | EP-2 BLK | EPM-1 BLK | 17 LAMP-2 BLK |

# DYNAPATCH® MARK II PAK'S

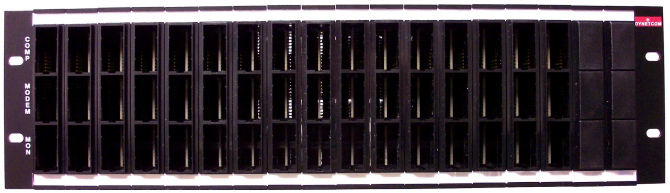
## STANDARD PATCH V24/RS232

| PART NUMBER | PRICE | DESCRIPTION | CHASSIS | SLOTS 1-16 | SLOT 17 | SLOT 18 | OPTIONS INCLUDED |
|---|---|---|---|---|---|---|---|
| 2093130001 | | PAK-003-L2 TAN 115V UL US POWER CORD | RA-1 BRN | EP-2 TAN | EPM-1 TAN | EPM-2 TAN 115V UL | 16 LAMP-2 TAN |
| 2093130002 | | PAK-003-L2 BLK 115V UL US POWER CORD | RA-1 BLK | EP-2 BLK | EPM-1 BLK | EPM-2 BLK 115V UL | 16 LAMP-2 BLK |
| 2093030014 | | PAK-RS530/V24-1-BLK | RA-1 BLK | EP-2 BLK | EP-2 BLK | EPM-1 BLK | NONE |
| 2093030013 | | PAK-RS530/V24-1-GRN | RA-1 GRN | EP-2 GRN | EP-2 GRN | EPM-1 GRN | NONE |
| 2093030012 | | PAK-RS530/V24-1-RED | RA-1 RED | EP-2 RED | EP-2 RED | EPM-1 RED | NONE |
| 2093030011 | | PAK-RS530/V24-1-TAN | RA-1 BRN | EP-2 TAN | EP-2 TAN | EPM-1 TAN | NONE |

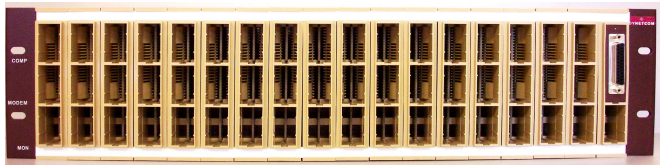
# DYNAPATCH® MARK II PAK'S

## STANDARD PATCH V24/RS232

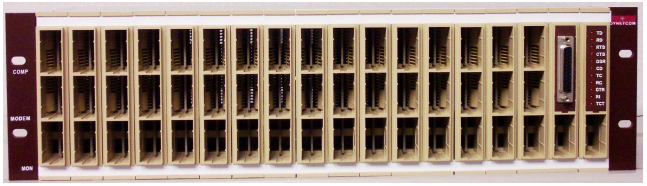
**PAK-001-01 BLACK**



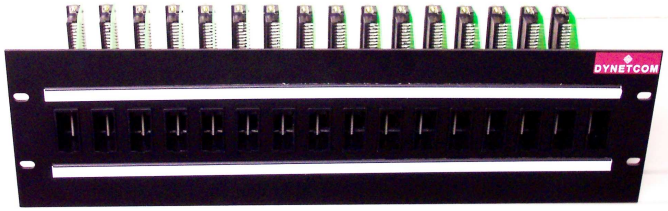
**PAK-002-001 BLACK**



**PAK-RS530/V24-1-TAN**



**PAK-002-02 BRN/TAN**




**PAK-001-TI (BLK)**

# DYNAPATCH® MARK II PAK'S

## ECONOMY ENHANCED PATCH V24/RS232

| PART NUMBER | PRICE | DESCRIPTION | CHASSIS | SLOTS 1-16 | SLOT 17 | SLOT 18 | OPTIONS INCLUDED |
|---|---|---|---|---|---|---|---|
| GTCB05277M | | PAK-002-E1 | RA-1E | EP-2EM | EPB-1C/EPB-1 GRY | EPB-1C/EPB-1 GRY | NONE |
| GTCB05276ME | | PAK-002-E2 W/EUROPEAN POWER SUPPLY CE | RA-1E | EP-2EM | EPM-1E | EPM-2E | NONE |
| GTCB05276MUK | | PAK-002-E2 W/UK POWER SUPPLY CE | RA-1E | EP-2EM | EPM-1E | EPM-2E | NONE |
| GTCB6067M | | PAK-002-E2 100-120V | RA-1E | EP-2EM | EPM-1E | EPM-2E | NONE |

## ENHANCED PATCH V24/RS232

### SPECIFY POWER CORD REQUIREMENT WHEN ORDERING

| PART NUMBER | PRICE | DESCRIPTION | CHASSIS | SLOTS 1-16 | SLOT 17 | SLOT 18 | OPTIONS INCLUDED |
|---|---|---|---|---|---|---|---|
| GTCB05277M | | PAK-002-C2 | RA-1C | EP-2M | EPM-1C | EPM-2C | NONE |
| GTCB6070M | | PAK-002-C2 M2.6 | RA-1C M2.6 | EP-2M | EPM-1C M2.6 | EPM-2C | NONE |

# DYNAPATCH® MARK II PAK'S

## STANDARD PATCH X.21

| PART NUMBER | PRICE | DESCRIPTION | CHASSIS | SLOTS 1-16 | SLOT 17 | SLOT 18 | OPTIONS INCLUDED |
|---|---|---|---|---|---|---|---|
| GTC130398M | | PAK-022-01 BRN/TAN | RA-2 BRN | EP-1.21 TAN | EPB-2 TAN | EPB-2 TAN | NONE |
| GTC130399M | | PAK-022-01 BLACK | RA-2 BLK | EP-1.21 BLK | EPB-2 BLK | EPB-2 BLK | NONE |
| GTCB07859M | | PAK-001-01T21 BLACK | RA-2T BLK | EP-1T21 BLK | N/A | N/A | NONE |
| 2094010001 | | PAK-122-17G | RA-1 BLK | EP-221 GRAY | EP-221 GRAY | EPM-121 GRAY | NONE |
| GTCB03189M | | PAK-122-01 | RA-1 TAN | EP-221 TAN | EPB-1 TAN | EPB-1 TAN | NONE |
| GTCB07609M | | PAK-122-03 TAN | RA-1 BRN | EP-221 TAN | EPM-121 TAN | EPM-221 TAN 230VAC CE | NONE |
| GTCB07700M | | PAK-122-03 GRY | RA-1 BLK | EP-221 GRY | EPM-121 GRY | EPM-221 GRY 230VAC CE | NONE |
| PAK-122-G1 | | PAK-122-G1 | RA-1 BLK | EP-221 GRY | EPB-1C/EPB-1 GRY | EPB-1C/EPB-1 GRY | 1 LAMP 221 BLK |
| PAK-122-G2 | | PAK-122-G2 W/US POWER CORD CE | RA-1 BLK | EP-221 GRY | EPM-121 GRY | EPM-221 GRY 120VAC CE | 1 LAMP 221 BLK |
| PAK-122-G4 | | PAK-122-G4 | RA-1 BLK | EP-221 GRY | EPM-121 GRY | EPM-221 GRY 230VAC CE | 1 LAMP 221 BLK |

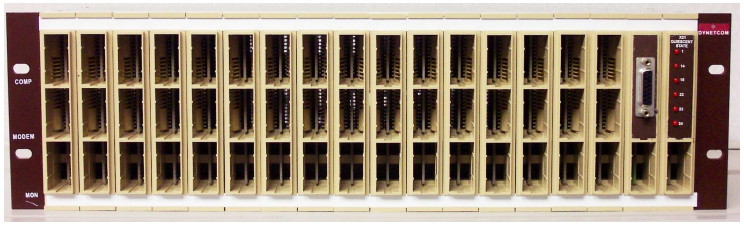
## ENHANCED PATCH X.21

| PART NUMBER | PRICE | DESCRIPTION | CHASSIS | SLOTS 1-16 | SLOT 17 | SLOT 18 | OPTIONS INCLUDED |
|---|---|---|---|---|---|---|---|
| GTCB05951M | | PAK-122-C1 | RA-1C21 | EP-2M21AM | EPM-1C21 | EPM-2C21 | NONE |
| GTCB07408M | | PAK-122-C1 M3 | RA-1C21 M3 | EP-2M21AM | EPM-1C21 M3 | EPM-2C21 | NONE |

**SPECIFY POWER CORD REQUIREMENT WHEN ORDERING**

# DYNAPATCH® MARK II PAK'S

STANDARD PATCH X.21




**PAK-122-03 BRN / TAN**

# DYNAPATCH® MARK II PAK'S

## ECONOMY ENHANCED PATCH V36

| PART NUMBER | PRICE | DESCRIPTION | CHASSIS | SLOTS 1-16 | SLOT 17 | SLOT 18 | OPTIONS INCLUDED |
|---|---|---|---|---|---|---|---|
| | | PAK-0049-C1 | RA-1E.36 | EP-2EM.36 | EPB-4 GRY | EPB-4 GRY | NONE |

# DYNAPATCH® MARK II PAK'S

## STANDARD V.35

| PART NUMBER | PRICE | DESCRIPTION | CHASSIS | SLOTS 1-16 | SLOT 17 | SLOT 18 | OPTIONS INCLUDED |
|---|---|---|---|---|---|---|---|
| 2093120001 | | PAK-132-01(E) BRN/TAN | RA-2 BRN | EP-1V.35WE TAN | EPB-2 TAN | EPB-2 TAN | NONE |
| 2093120002 | | PAK-132-01(U) BRN/TAN | RA-2 BRN | EP-1V35WU TAN | EPB-2 TAN | EPB-2 TAN | NONE |
| 2093120003 | | PAK-132-01(E) BLACK | RA-2 BLK | EP- 1V.35WE BLK | EPB-2 BLK | EPB-2 BLK | NONE |
| 2093120004 | | PAK-132-01(U) BLACK | RA-2 BLK | EP- 1V.35WU BLK | EPB-2 BLK | EPB-2 BLK | NONE |
| GTCB07860M | | PAK-001-1T.35E BLACK | RA-2T BLK | EP-1T.35E BLK | N/A | N/A | NONE |
| GTCB07863M | | PAK-001-1T.35U BLACK | RA-2T BLK | EP-1T.35UBLK | N/A | N/A | NONE |
| 2093020001 | | PAK-822-01 (U),BRN/TAN | RA-1 BRN | EP-2-V.35W TAN | EP-2-V.35W TAN | EP-2-V.35W TAN | NONE |
| 2093020002 | | PAK-822-03 (U),BLK | RA-1 BLK | EP-2-V.35W BLK | EP-2-V.35W BLK | EP-2-V.35W BLK | NONE |
| 2093020003 | | PAK-822-03 (U),RED | RA-1 RED | EP-2-V.35W RED | EP-2-V.35W RED | EP-2-V.35W RED | NONE |
| GTCB06876M | | PAK-032-01(E) | RA-135 BRN | EP-235(E) TAN | EPB-1 TAN | EPB-1 TAN | NONE |
| GTCB07059M | | PAK-032-02(E) GREY | RA-135 BLK | EP-235(E) GRY | EPB-1C/EPB-1 GRY | EPB-1C/EPB-1 GRY | NONE |
| 712590 | | PAK-032-01/17T(E) | RA-1 BRN | EP-235(E) TAN HARDWIRE | EP-235(E) TAN HARDWIRE | EPM-1C35 (E) | NONE |
| 712591 | | PAK-032-01/17TA(E) | RA-135 BRN | EP-2V35WE TAN | EP-2V35WE TAN | EPM-1C35 (E) | NONE |

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**

**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**

# DYNAPATCH® MARK II PAK'S

## ENHANCED PATCH V.35

**SPECIFY POWER CORD REQUIREMENT WHEN ORDERING**

| PART NUMBER | PRICE | DESCRIPTION | CHASSIS | SLOTS 1-16 | SLOT 17 | SLOT 18 | OPTIONS INCLUDED |
|---|---|---|---|---|---|---|---|
| GTCB05950M | | PAK-032-C1 (E) | RA-1C35(E) | EP-2M35(E) | EPM-1C35(E) | EPM-2C35(E) | NONE |
| GTCB06402M | | PAK-032-C1 (U) | RA-1C35(U) | EP-2M35(U) | EPM-1C35(U) | EPM-2C35(U) | NONE |
| GTCB07027M | | PAK-032-C2 (E) DB25 | RA-1C35D (E) | EP-2M35D(E) | EPM-1C35(E) | EPM-2C35(E) | NONE |
| GTCB7800M | | PAK-032-C2 (U) DB25 | RA-1C35D (U) | EP-2M35D(U) | EPM-1C35(U) | EPM-2C35(U) | NONE |

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**

**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**

# DYNAPATCH® MARK II PAK'S

## STANDARD PATCH EP-1T45 & EP-1TCOAX

| PART NUMBER | PRICE | DESCRIPTION | CHASSIS | SLOTS 1-16 | SLOT 17 | SLOT 18 | OPTIONS INCLUDED |
|---|---|---|---|---|---|---|---|
| GTCB07861M | | PAK-001-1T.45 BLACK | RA-2T BLACK | EP-1T.45 | N/A | N/A | NONE |
| GTCB07862M | | PAK-001-1TCOAX BLACK | RA-2T BLACK | EP-1TCOAX | N/A | N/A | NONE |

# DYNAPATCH® MARK II ACCESSORIES

# ACCESSORIES

| | | | |
|---|---|---|---|
| **2002550001** | | **DESIGNATION STRIP PAPER** | FOR USE IN DYNAPATCH® RACK ADAPTERS SOLD IN U.S. AND JAPAN. |
| **2002550002** | | **DESIGNATION STRIP CLEAR MYLAR** | FOR USE IN DYNAPATCH® RACK ADAPTERS SOLD IN U.S. AND JAPAN. |
| **G280A05281** | | **DESIGNATION STRIP, WHITE PLASTIC** | FOR USE IN DYNAPATCH® RACK ADAPTERS SOLD IN COUNTRIES OTHER THAN U.S. AND JAPAN |
| **6510031604** | | **SELF TAPPING MOUNTING SCREW BLACK** | FOR MOUNTING MODULES IN RA-1C AND RA-1E RACK ADAPTERS. |
| **6510031603** | | **SELF TAPPING MOUNTING SCREW STAINLESS STEEL** | FOR MOUNTING MODULES IN RA-1 AND RA-135 RACK ADAPTERS. |

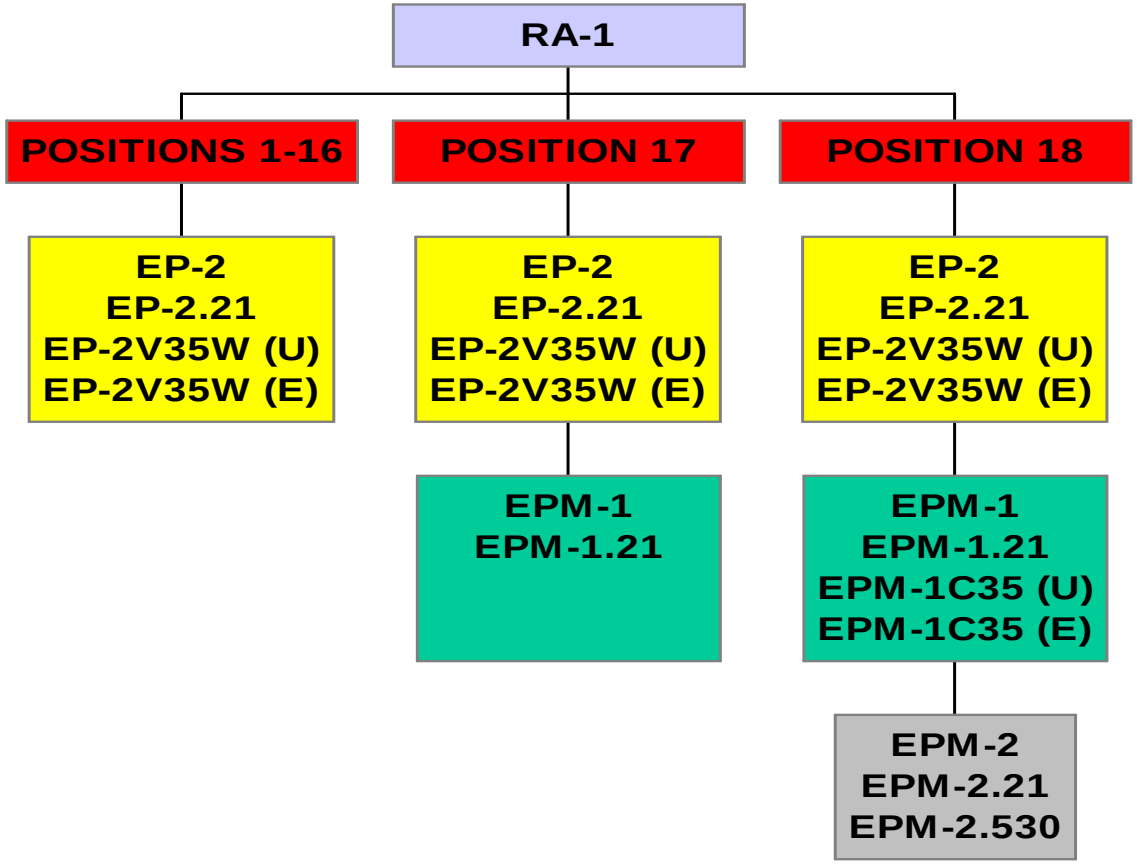
# DYNAPATCH® MARK II MANUALS

# DYNAPATCH® MARK II MANUALS

| | | | |
|---|---|---|---|
| **GML0B07597** | | **DYNAPATCH® MARK 2 USER'S GUIDE** | USER'S GUIDE FOR ALL DYNAPATCH® MARK 2 PRODUCTS EXCEPT THE ENHANCED V36/RS449 VERSION. |
| **GML0B07593** | | **DYNAPATCH® MARK 2 INSTRUCTION MANUAL** | INSTRUCTION MANUAL FOR DYNAPATCH® ENHANCED V.36/RS449 VERSION. |

# DYNAPATCH® MARK II CONFIGURATIONS

# DYNAPATCH® RA-1

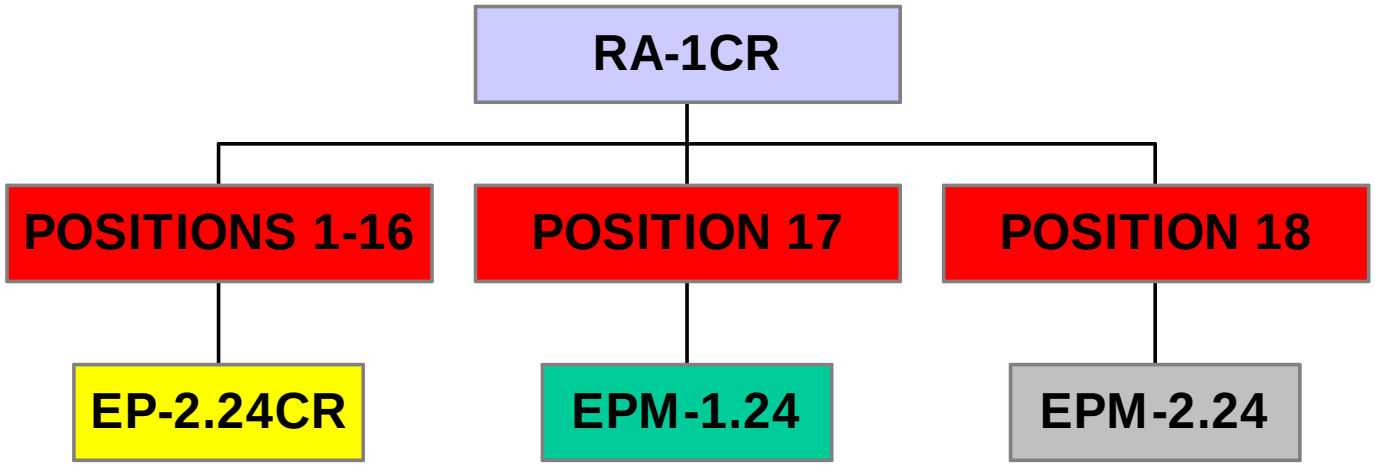



EPB-1 FILLER PANEL SHOULD BE USED IN ALL UNUSED POSITIONS 1-18

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**

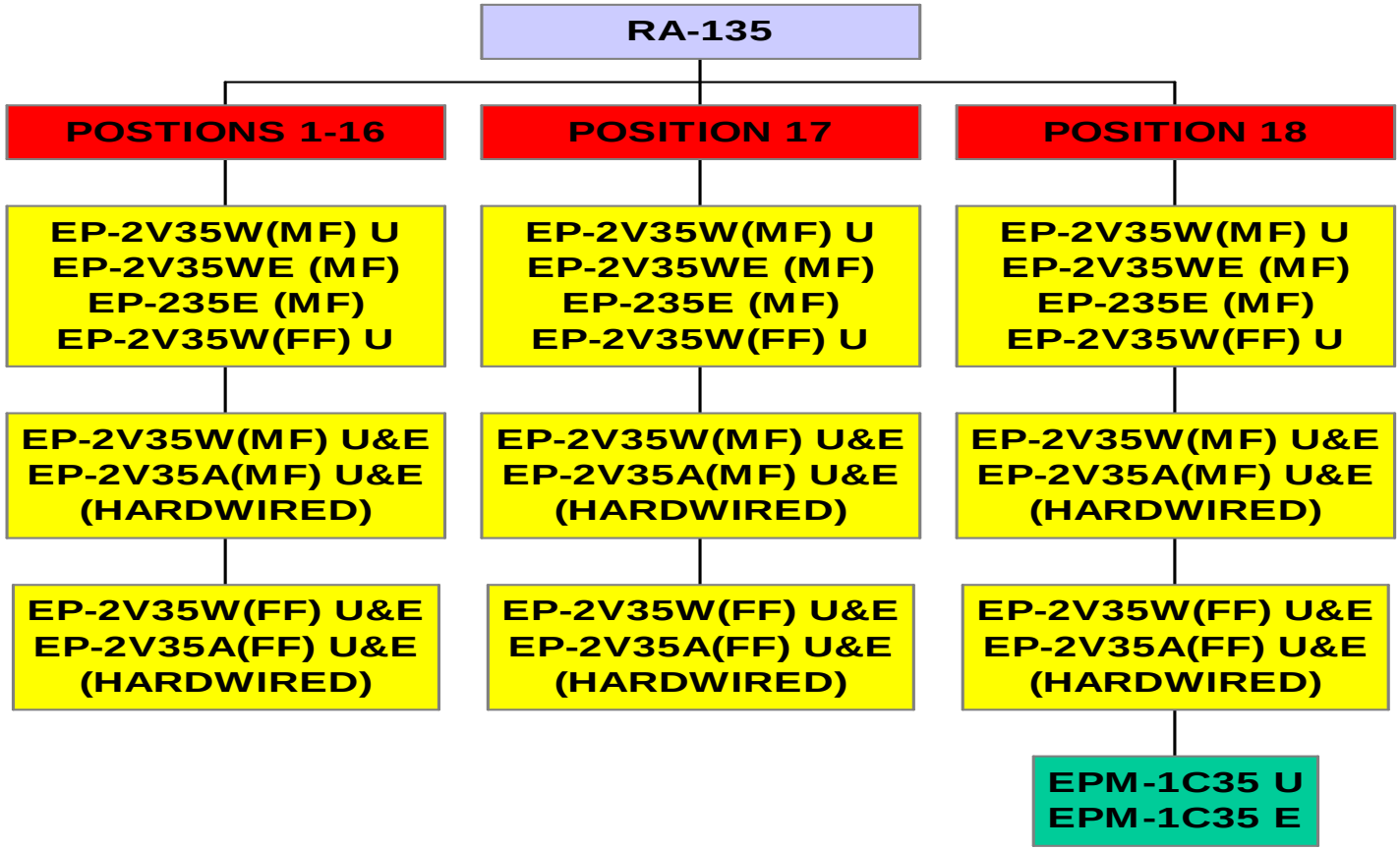
**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**

# DYNAPATCH® RA-1CR




EPB-1 FILLER PANEL SHOULD BE USED IN ALL UNUSED POSITIONS 1-18

# DYNAPATCH® RA-135

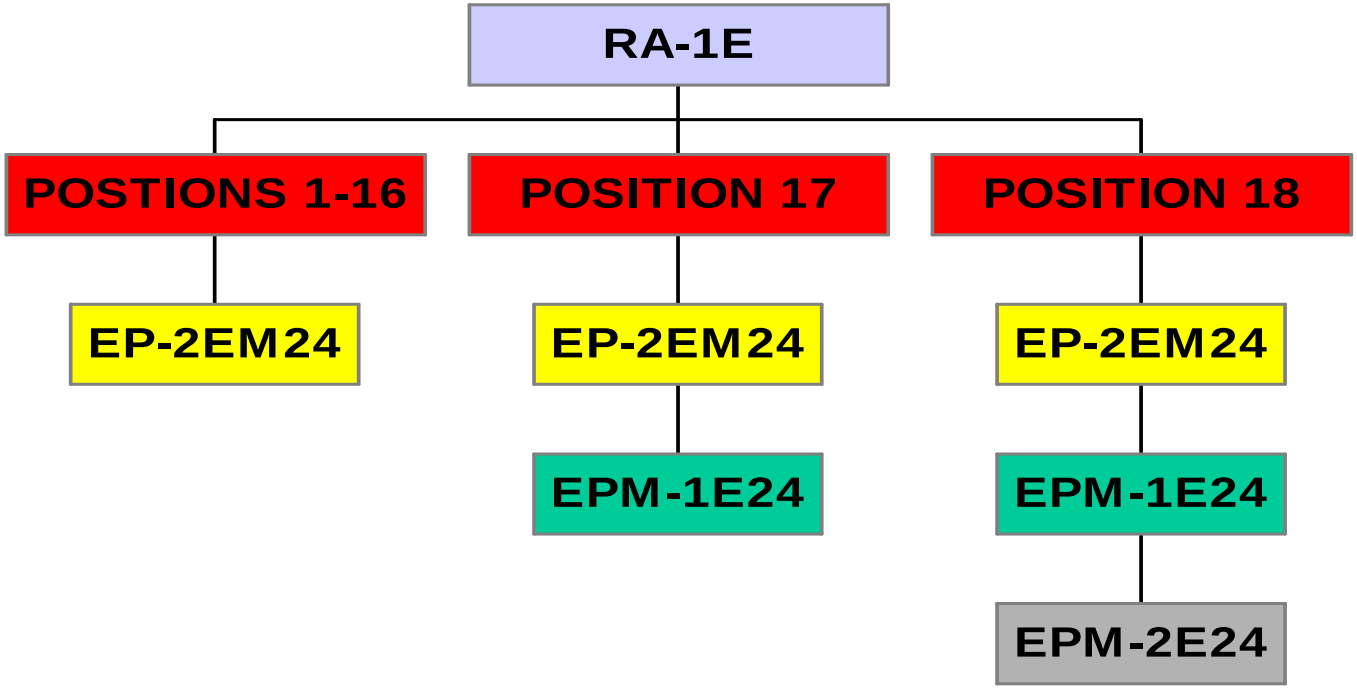



EPB-1 FILLER PANEL SHOULD BE USED IN ALL UNUSED POSITIONS 1-18

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**

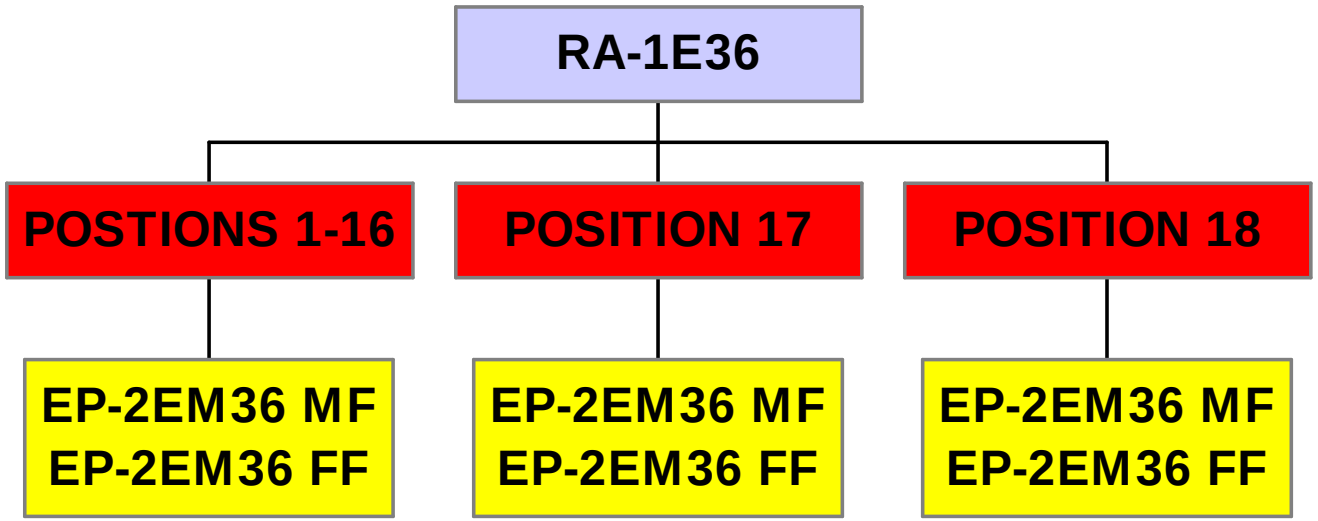
**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**

# DYNAPATCH® RA-1E



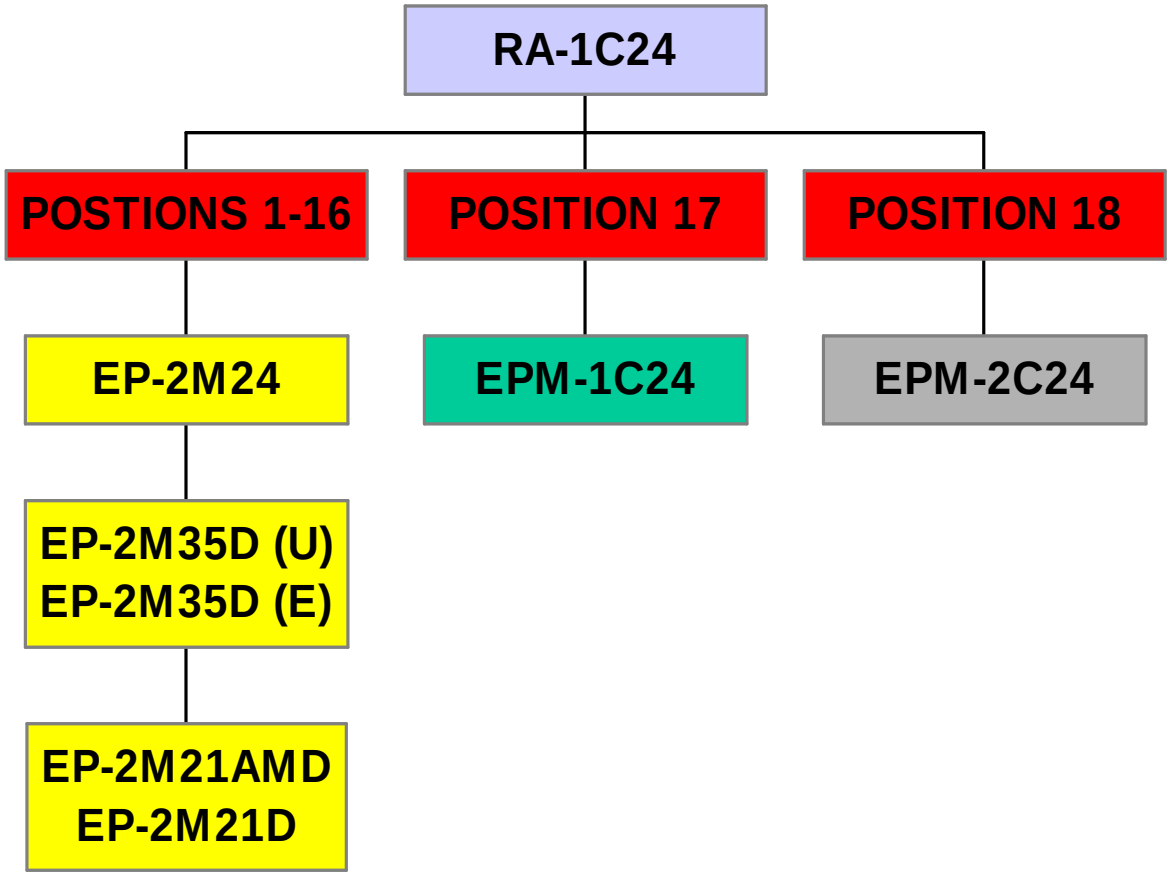

EPB-1 FILLER PANEL SHOULD BE USED IN ALL UNUSED POSITIONS 1-18

# DYNAPATCH® RA-1E36



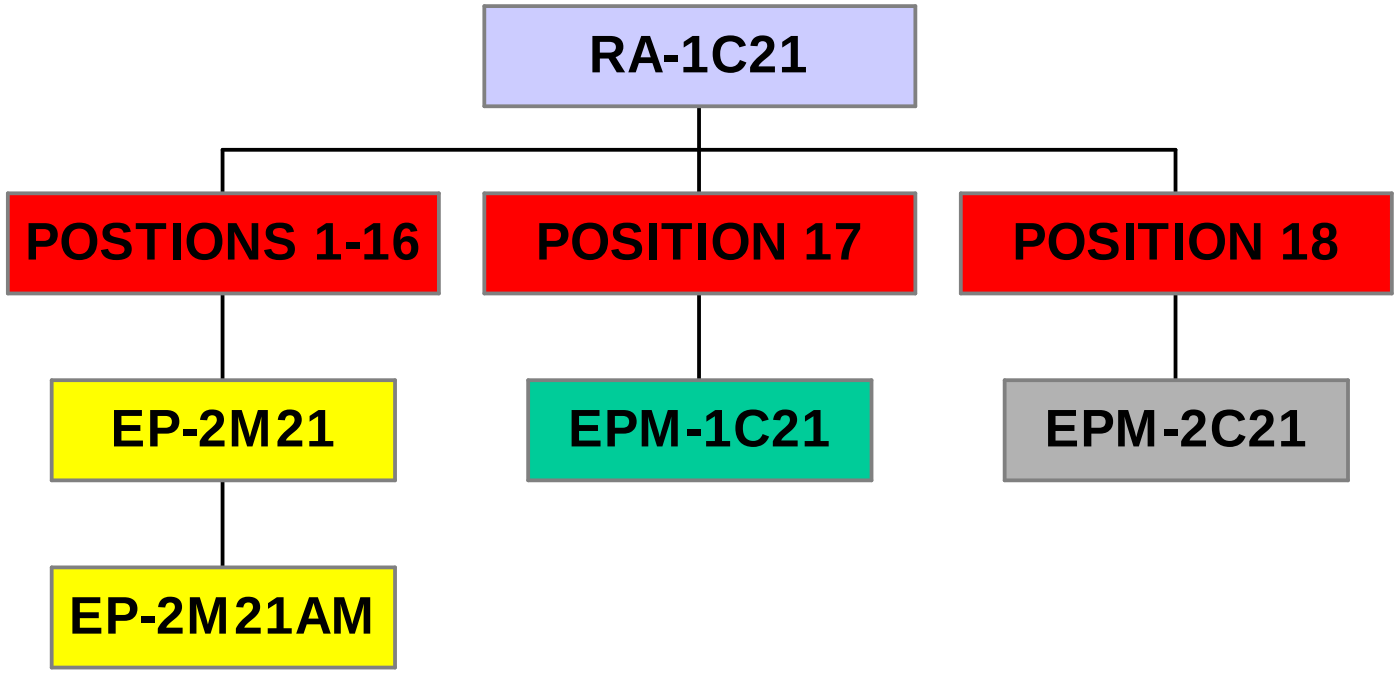

EPB-4 FILLER PANEL SHOULD BE USED IN ALL UNUSED POSITIONS 1-18

# DYNAPATCH® ® RA-1C.24



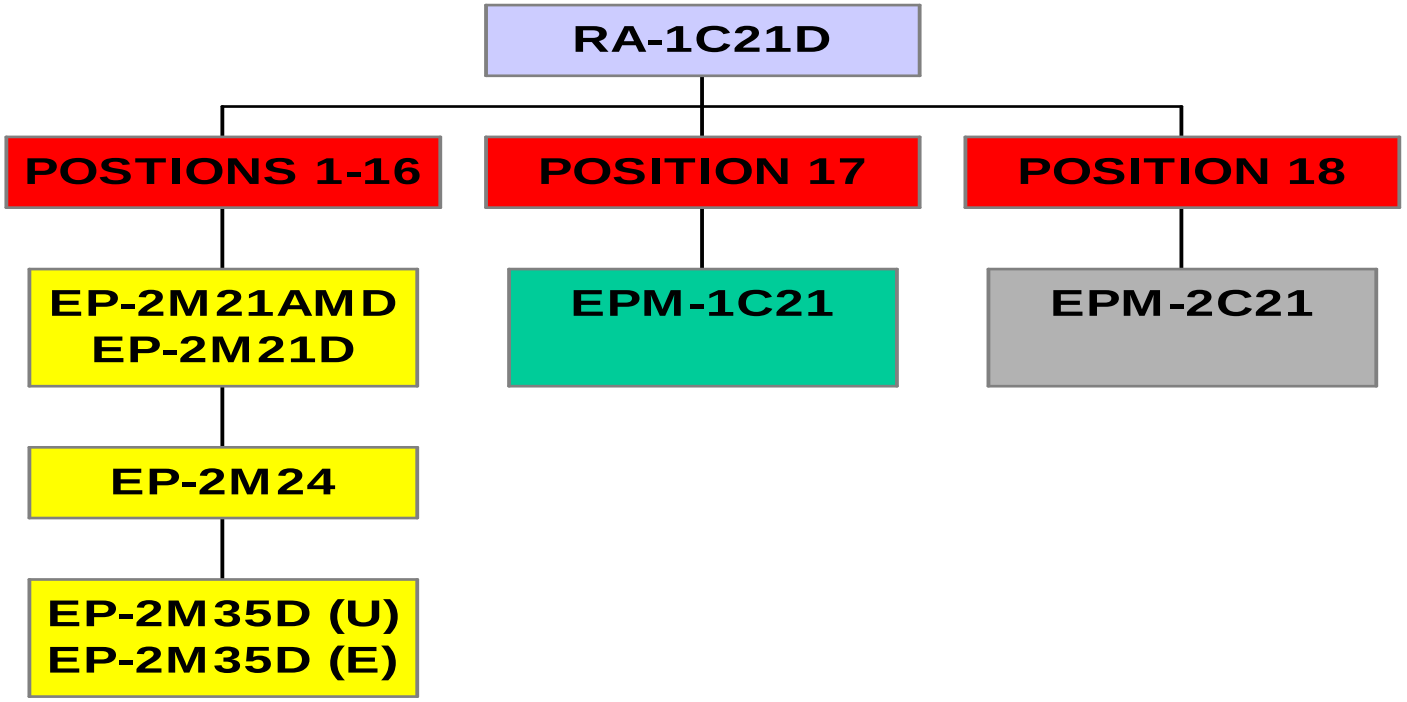

EPB-1C FILLER PANEL SHOULD BE USED IN ALL UNUSED POSITIONS 1-17
THE MODULES IN POSITIONS 1-16 CAN BE MIXED IN THIS CHASSIS
**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**
**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**

# DYNAPATCH® ® RA-1C.21




EPB-1C FILLER PANEL SHOULD BE USED IN ALL UNUSED POSITIONS 1-17
EP-2M.21 AND EP-2M.21AM CAN NOT BE MIXED IN THE SAME CHASSIS

# DYNAPATCH® RA-1C.21D



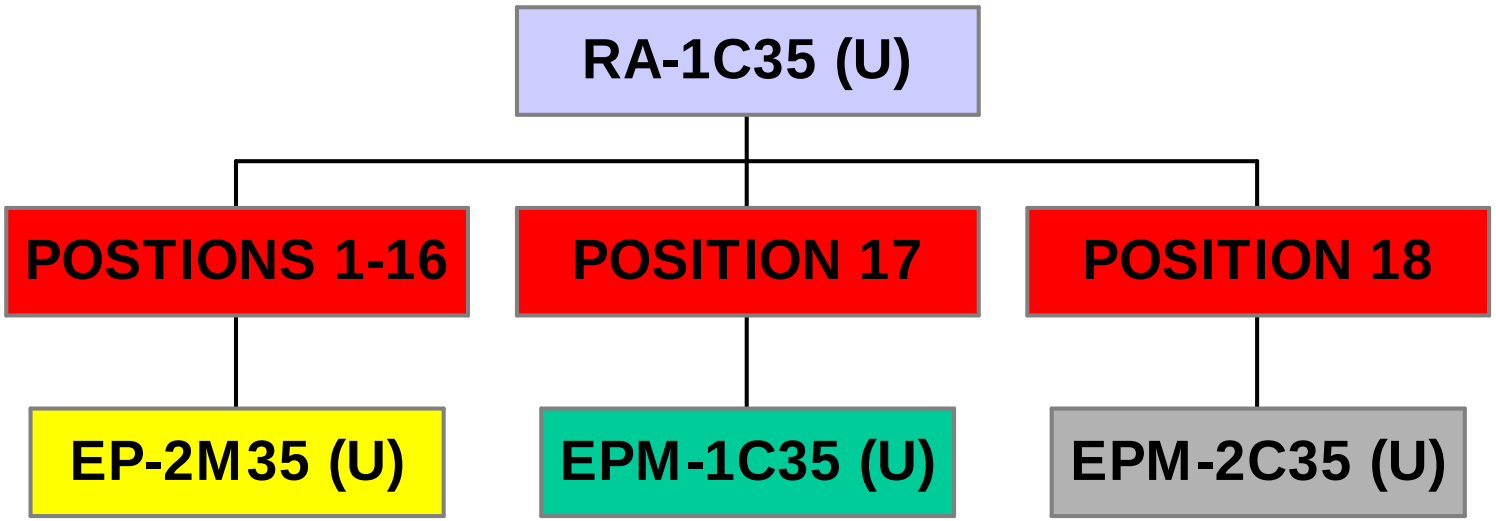

EPB-1C FILLER PANEL SHOULD BE USED IN ALL UNUSED POSITIONS 1-17.

EP-2M.21D AND EP-2M.21AMD CAN NOT BE MIXED IN THE SAME CHASSIS.

THE OTHER MODULES IN POSITIONS 1-16 CAN BE MIXED IN THIS CHASSIS.

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**
**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**

# DYNAPATCH® RA-1C35(U)

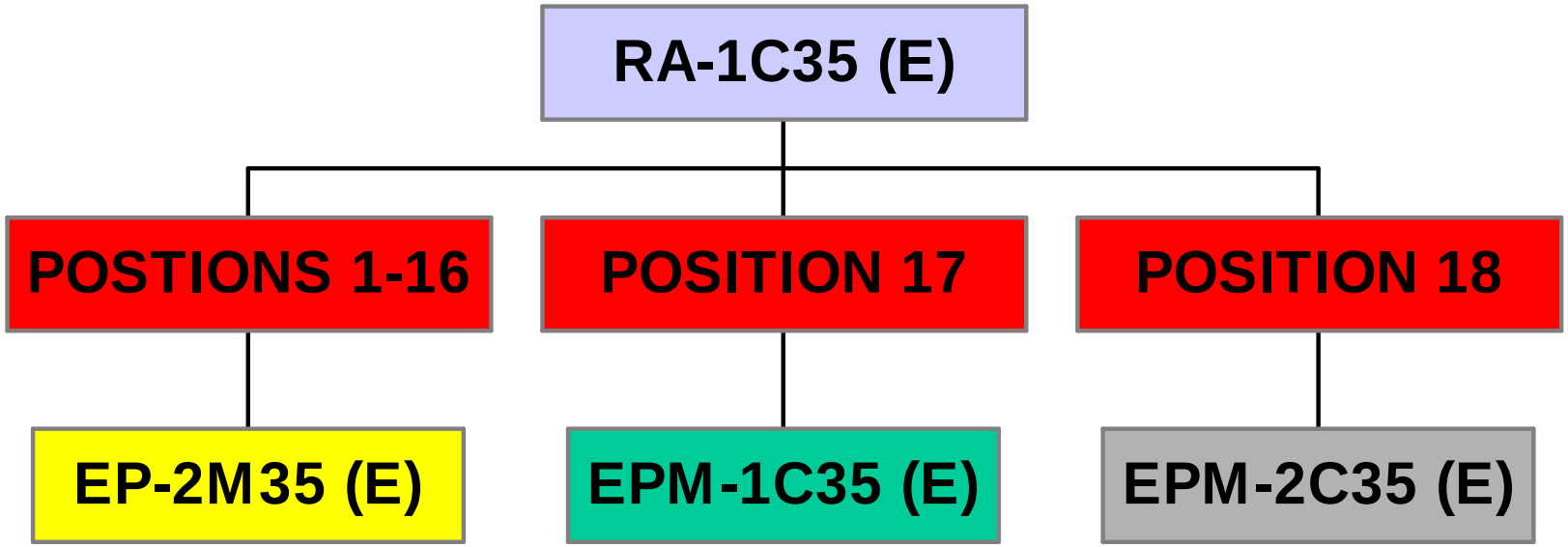



EPB-1C FILLER PANEL SHOULD BE USED IN ALL UNUSED POSITIONS 1-17.

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**

**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**

# DYNAPATCH® RA-1C35(E)

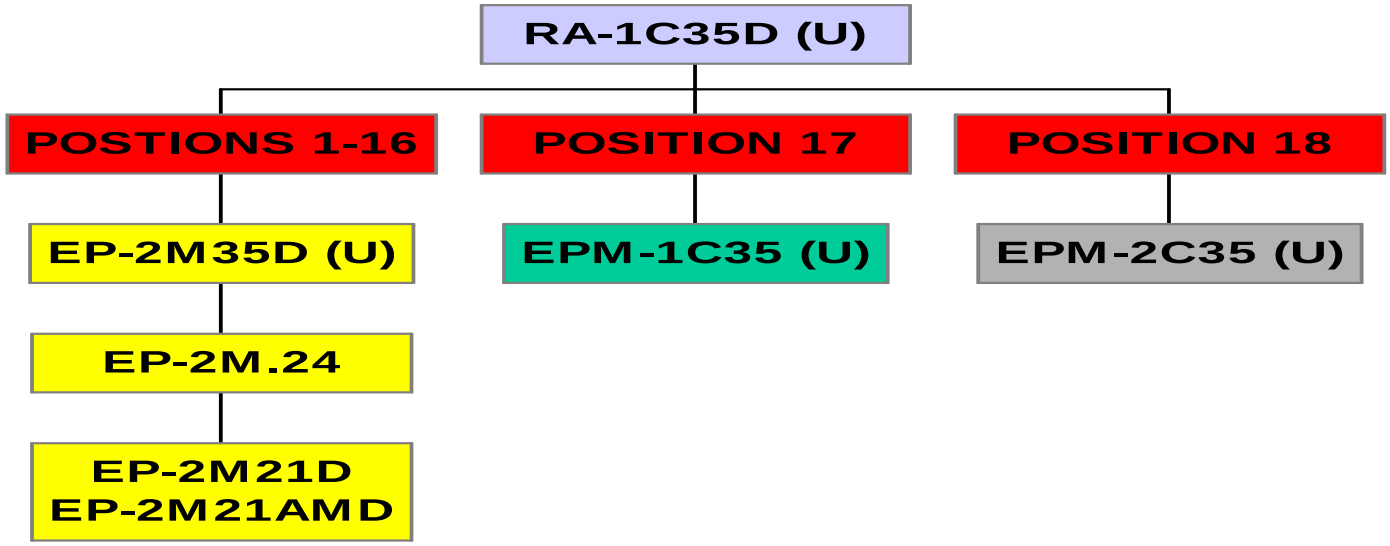



EPB-1C FILLER PANEL SHOULD BE USED IN ALL UNUSED POSITIONS 1-17.

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**

**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**

# DYNAPATCH® RA-1C35D(U)



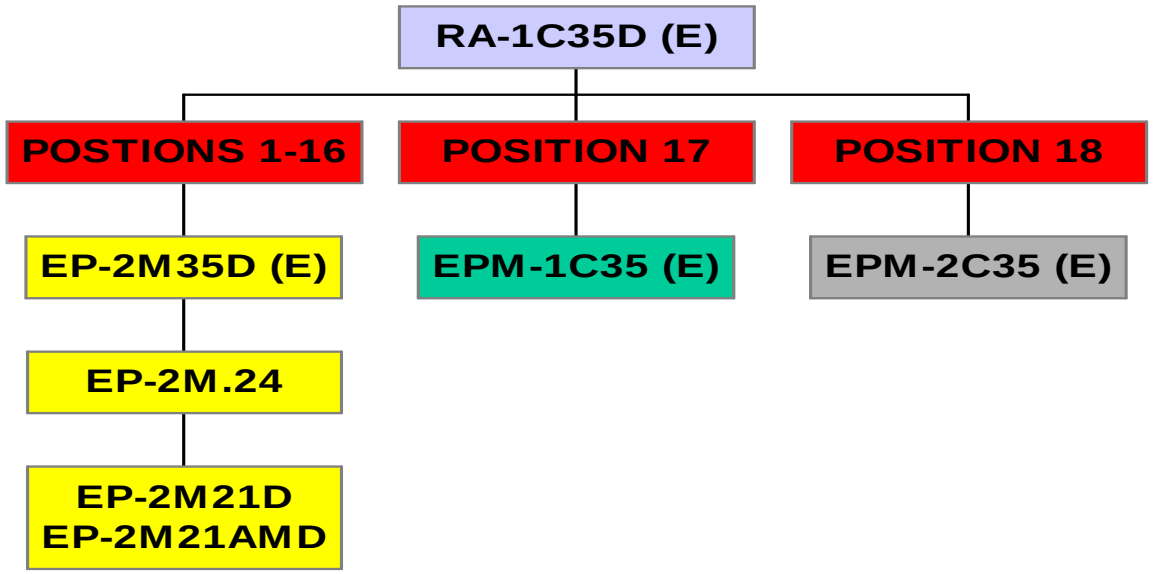

EPB-1C FILLER PANEL SHOULD BE USED IN ALL UNUSED POSITIONS 1-17.

EP-2M.21D AND EP-2M.21AMD CAN NOT BE MIXED IN THE SAME CHASSIS.

THE OTHER MODULES IN POSITIONS 1-16 CAN BE MIXED IN THIS CHASSIS.

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**
**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**

# DYNAPATCH® RA-1C35D(E)




EPB-1C FILLER PANEL SHOULD BE USED IN ALL UNUSED POSITIONS 1-17.

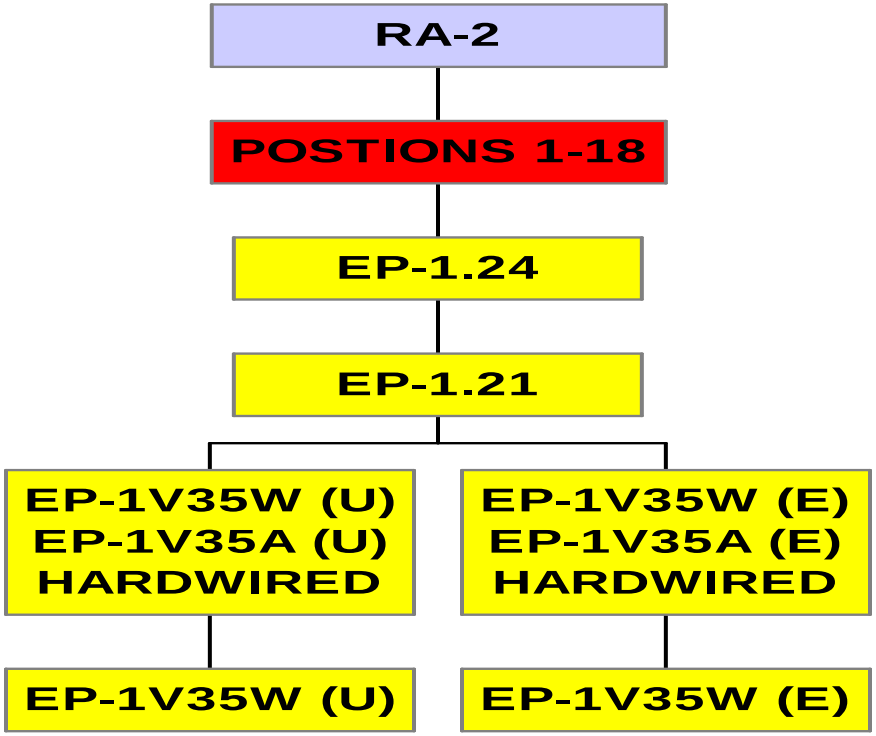
EP-2M.21D AND EP-2M.21AMD CAN NOT BE MIXED IN THE SAME CHASSIS.

THE OTHER MODULES IN POSITIONS 1-16 CAN BE MIXED IN THIS CHASSIS.

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**

**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**

# DYNAPATCH® RA-2

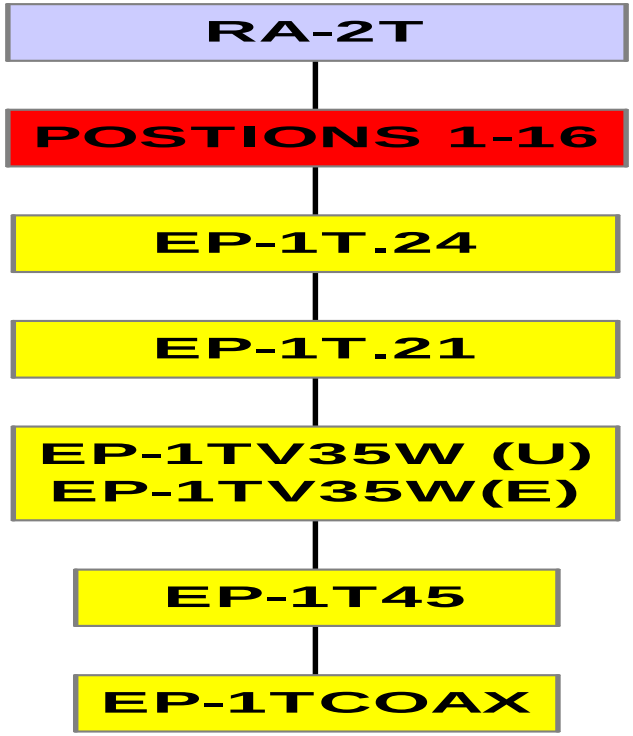



EPB-2 FILLER PANEL SHOULD BE USED IN ALL UNUSED POSITIONS 1-18

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**

**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**

# DYNAPATCH® RA-2T




EPB-2 FILLER PANEL SHOULD BE USED IN ALL UNUSED POSITIONS 1-16.

**E VERSION FOR USE WITH EUROPEAN V.35 PIN OUT**

**U VERSION FOR USE WITH UNITED STATES V.35 PIN OUT**