Si estás pensando en instalar algún dispositivo mini-PCIe en un router de Mikrotik, ya sea oficial, virtualizado con PCI Passthrough o en baremetal x86, aquí te dejo una lista de los que puedes poner:

MÓDEMS

Sierra Wireless MC7710/MC7700/MC7750

Funciona en LTE
Testado en RouterOS v5.25, v6.0 and 6.40RC43
Indicaciones: If modem uses firmware 3.5 it should be upgraded to 3.5.23.2 firmware release in order to work in RouterOS correctly again.
No admite Passthrough

Huawei MU609

Funciona en: 3G
Testado en RouterOS v6.11
No admite Passthrough

Huawei MU709s-2

Funciona en: 3G
Testado en RouterOS v6.28
Admite Passthrough

Huawei ME909u-521

Funciona en LTE
Testado en RouterOS v6.11
No admite Passthrough

Huawei ME909s-120

Funciona en: LTE
Testado en RouterOS v6.28
Indicaciones: Recommended modem firmware version 11.617.24.00.00. To reduce LTE interface IP subnet mask to /32 configure modem with at-chat command:
/interface lte at-chat [find] input=»AT^CUSTFEATURE=3,1″
Admite Passthrough

SIMcom SIM7100

Funciona en LTE
Testado en RouterOS v6.xx(ppp) y v7.xx (LTE)
Indicaciones: Works! PPP interface. And starting with v7.xx it will support LTE interface. vendor-id=»0x1e0e» device-id=»0x9001″
No se sabe si admite passthrough

Sierra wireless MC73xx

Funciona en: LTE
Testado en RouterOS v6.xx(ppp) y v7.xx (LTE)
Indicaciones: Works! PPP interface. And starting with v7.xx it will support LTE interface. MC7304 tested with firmware SWI9X15C_05.05.67.00
No admite passthrough

Huawei E8372 v6.28 Works! LTE interface only. vendor-id=»0x12d1″ device-id=»0x14db» USB ? LTE

Telit LE910 v6.xx ppp interface, vendorid=0x1bc7 deviceid=0x1201 MiniPCI-e ? LTE
Quectel EC20/EC21 v6.xx ppp interface, there is page in wiki about Quectel: article MiniPCI-e ? LTE
Quectel EC25 v6.39 ppp/LTE interface, there is page in wiki about Quectel ppp mode: article MiniPCI-e ? LTE
Quectel EP06 v6.42 ppp/LTE interface, there is page in wiki about Quectel: article MiniPCI-e ? LTE

ZTE ME3630-E v6.40RC26 ppp and LTE interface MiniPCI-e ? LTE
Jaton MT421e v6.40RC32 LTE interface with Ethernet emulation (no configuration possible), LTE supported bands 42/43 MiniPCI-e ? LTE

R11e-LTE v6.39.2 LTE interface. Supports multiple APN passthrough. MiniPCI-e Y LTE

Quectel UC15 v6.xx Works, ppp interface MiniPCI-e 3G
Quectel UC20 v6.xx Works, ppp interface MiniPCI-e 3G

SIMcom SIM5360 v6.xx Works! Using PPP interface, vendor-id=»0x05c6″ device-id=»0x9000″ MiniPCI-e / USB w/ converter 3G

Ericsson F5521gw v6.x and higher MiniPCI-e 3G

Dell Wireless 5530 HSPA v6.1 and higher Data channel 0, Info channel 0, init: AT+CFUN=1 (needs manualy change profile by command AT*ENAP=1,1) MiniPCI-e 3G

Sierra Wireless MC7430 v6.xx and higher Data channel 2, Info channel 2, Modem init: AT+CGATT=0, Dial-command: AT+CGATT=1;D*99#, also needs 3.0 pins isolated (PINS:23,25,27,31,33) MiniPCI-e LTE

Telit LM940 v6.44 LTE interface in some cases needs 3.0 pins isolated (PINS:23,25,27,29,31,33) MiniPCI-e Y LTE
Telit LM960 v6.46 LTE interface in some cases needs 3.0 pins isolated (PINS:23,25,27,29,31,33) MiniPCI-e Y LTE
Telit LE910C1 v6.46 Non-configurable from RouterOS MiniPCI-e LTE
SIMCom 7600E v6.x MiniPCI-e LTE

Quectel EG25-G 6.48.3 ECM driver. Also supported in RouterOS v7 with MBIM dirver. MiniPCI-e GSM, 3G, LTE
Sierra Wireless MC7455 v7.1 MBIM driver. Interface bitmask: 00001009 (diag,modem,mbim) should be used(AT!USBCOMP=1,1,1009). MiniPCI-e 3G, LTE

Dell Wireless 5530 HSPA v6.1 and higher Data channel 0, Info channel 0, init: AT+CFUN=1 (needs manualy change profile by command AT*ENAP=1,1) MiniPCI-e
3G
Ericsson F5521gw v6.x and higher
MiniPCI-e
3G

Marvell PXA1802 based modems v7.2.2 Vendorid=0x1286 deviceid=0x4e31 mini-PCIe

Huawei ME909s-120 v6.28 Recommended modem firmware version 11.617.24.00.00
To reduce LTE interface IP subnet mask to /32 configure modem with at-chat command:
/interface lte at-chat [find] input=»AT^CUSTFEATURE=3,1″ MiniPCI-e Y LTE
Huawei ME909u-521 v6.11
MiniPCI-e N LTE
Huawei MU609 v6.11
MiniPCI-e ? 3G
Huawei MU709s-2 v6.28
MiniPCI-e Y 3G
Jaton MT421e v6.40RC32 LTE interface with Ethernet emulation (no configuration possible), LTE supported bands 42/43 MiniPCI-e ? LTE

Quectel EC20/EC21 v6.xx ppp interface, there is page in wiki about Quectel: article MiniPCI-e ? LTE

Quectel BG95-M3 v6.47

Serial/PPP interface, single AT/modem channel

Will not work in wAP R ac boards.
mini-PCIe N 2G/IoT

Quectel BG96 v6.45 Serial/PPP interface, 2x AT/modem channels mini-PCIe N 2G/IoT
Quectel EC25 v6.42

ppp/LTE interface, there is page in wiki about Quectel ppp mode: article

RouterOS v6 CDC-ECM mode – LTE interface receive address in modems internal network.

RouterOS v7 MBIM mode – LTE interface uses APN IP address.
MiniPCI-e ? LTE
Quectel EG25-G 6.48.3

RouterOS v6 CDC-ECM mode – LTE interface receive address in modems internal network.

RouterOS v7 MBIM mode – LTE interface uses APN IP address.

In some boards may be required to disable SIM hot plug detection:

/interface lte set [find] modem-init=»AT+QSIMDET=0,1″

MiniPCI-e
GSM, 3G, LTE

Quectel EP06 v6.42 ppp/LTE interface, there is page in wiki about Quectel: article MiniPCI-e ? LTE

Quectel UC15 v6.xx Works, ppp interface MiniPCI-e
3G
Quectel UC20 v6.xx Works, ppp interface MiniPCI-e
3G
R11e-LTE v6.39.2 LTE interface. Supports multiple APN passthrough. MiniPCI-e Y LTE

Sierra wireless MC73xx v6.xx(ppp) v7.xx (LTE) Works! PPP interface. And starting with v7.xx it will support LTE interface. MC7304 tested with firmware SWI9X15C_05.05.67.00 MiniPCI-e N LTE
Sierra Wireless MC7430 v6.xx and higher Data channel 2, Info channel 2, Modem init: AT+CGATT=0, Dial-command: AT+CGATT=1;D*99#, also needs 3.0 pins isolated (PINS:23,25,27,31,33) MiniPCI-e
LTE
Sierra Wireless MC74xx v7.1

Basic functionality support for modems with MBIM interface/USB composition
mini-PCIe

Sierra Wireless MC7455 v7.3beta37

MBIM mode with extended support for USB compositions:

1009 – diag,modem,mbim
100D – diag,nmea,modem,mbim

mini-PCIe

Sierra Wireless MC7710/MC7700/MC7750 v5.25, v6.0 and 6.40RC43 If modem uses firmware 3.5 it should be upgraded to 3.5.23.2 firmware release in order to work in RouterOS correctly again. MiniPCI-e N LTE
SIMcom SIM5360 v6.xx Works! Using PPP interface, vendor-id=»0x05c6″ device-id=»0x9000″ MiniPCI-e / USB w/ converter
3G
SIMcom SIM7100 v6.xx(ppp) v7.xx (LTE) Works! PPP interface. And starting with v7.xx it will support LTE interface. vendor-id=»0x1e0e» device-id=»0x9001″ MiniPCI-e / USB w/ converter ? LTE

Telit LE910 v6.xx ppp interface, vendorid=0x1bc7 deviceid=0x1201 MiniPCI-e ? LTE
Telit LE910C1 v6.46 Non-configurable from RouterOS MiniPCI-e
LTE
Telit LM940 v6.44 LTE interface in some cases needs 3.0 pins isolated (PINS:23,25,27,29,31,33) MiniPCI-e Y LTE

Telit LM960 v6.46 LTE interface in some cases needs 3.0 pins isolated (PINS:23,25,27,29,31,33) MiniPCI-e Y LTE
TPS (Turning Point Solution) GCT450 v6.48 Config-less LTE interface MiniPCI-e N

ZTE ME3630-E v6.40RC26 ppp and LTE interface MiniPCI-e ? LTE

Todos los modems que utilicen MBIM deberían funcionar a partir de RouterOS v7
A algunos módems que tienen compatibilidad con USB 3.0 hay que cubrirles los pines de ese USB 3.0 para que se puedan inicializar en RouterOS

Fuente: https://help.mikrotik.com/docs/display/ROS/Peripherals