

# Peripherals

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This article describes supported add-on peripherals for RouterBOARD hardware devices.

## Cellular modems

| Model                           | Tested RouterOS version | Comments   | Format    | Passthrough support | Technologies |
|---------------------------------|-------------------------|--|-----------|---------------------|--------------|
| Alcatel IK40                    | v6.41RC11               | LTE interface, Modem can be configured only through modems configuration WEB page.   | USB       | N                   | LTE          |
| Alcatel IK41                    | v6.48                   | Config-less LTE interface  | USB       | N                   | LTE          |
| Android usb tethering interface | v6.7                    | Some settings are ignored.   | USB       | ?                   | LTE          |
| AnyData ADU-E630WH              | v6                      | ( aka "USB Wireless HSDPA/UMTS 2.1GHz GSM/GPRS/EGPRS 900/17000MHz /CDMA 1x EVDO Rev.A")  | USB       |                     | 3G           |
| BandRich C501                   | v5.25 and v6.0          |  | USB       | ?                   | LTE          |
| D-link DWM-157                  | v6.xx                   | Works! Data Channel: 2, Info Channel: 3, Modem Init: AT+CFUN=1, vendor-id="0x2001" device-id="0x7d02" Some info from modem: > H/W Ver.: B1, F/W Ver.: 2.0.1eu, revision: +CGMR: MOLY.WR8.W1231.DC.WG.MP.V3, 2013/04/09 02:08 Different HW revisions might not work with RouterOS | USB       |                     | 3G           |
| D-link DWM-222                  | v6.38                   | Multiple modem versions with same marketing name exist, only H/W ver: A1 supported as config-less LTE interface  | USB       | N                   |              |
| Dell DW5821e                    | v7.4beta4 and higher    | MBIM driver. Revision: T77W968.F1.0.0.5.2.VZ.013 044   | M.2       |                     | 3G,LTE       |
| Dell Wireless 5530 HSPA         | v6.1 and higher         | Data channel 0, Info channel 0, init: AT+CFUN=1 (needs manually change profile by command AT*ENAP=1,1)   | MiniPCI-e |                     | 3G           |
| Ericsson F5521gw                | v6.x and higher         |  | MiniPCI-e |                     | 3G           |
| Fibocom FM150-AE                | v7.1beta5               | MBIM driver. Revision: 89603.1000.00.01.01.03  | M.2       |                     | 3G, LTE, 5G  |
| Fibocom NL-952-EAU              | v7.1beta5               | MBIM driver. Revision: 19600.7000.00.04.01.05  | M.2       |                     | 3G, LTE      |
| Marvell PXA1802 based modems    | v7.2.2                  | Vendorid=0x1286 deviceid=0x4e31  | mini-PCle |                     |              |
| Huawei E153                     | v6.31< and higher       |  | USB       |                     | 3G           |
| Huawei E171                     | v6.xx                   | Works! ppp interface, vendorid=0x12d1 deviceid=0x140c  | USB       |                     | 3G           |
| Huawei e3131                    | v6.xx and higher        | ppp interface  | USB       |                     | 3G           |
| Huawei E3372h, E5576h, E8372h   | v6.8                    | Config-less LTE interface for modems with vendor-id="0x12d1" device-id="0x14db"<br><br>Models with suffixes -320 and -608 will not work with RouterOS v6, please use v7 instead.   | USB       | N                   | LTE          |

|                            |                    |  |            |   |              |
|----------------------------|--------------------|--|------------|---|--------------|
| Huawei E3276-150           | v6.xx              | ppp interface  | USB        | ? | LTE          |
| Huawei E3351               | v6.24 and higher   |  | USB        |   | 3G           |
| Huawei E3531               | v6.24 or 6.40 RC25 | There are different versions of this modem E3531-6 works from version 6.40RC25 as ppp, mbim supported only from RouterOS V7  | USB        |   | 3G           |
| Huawei e398                | v6.xx and higher   | ppp interface  | USB        |   | LTE          |
| Huawei E5377               | v6.36.1            | MIFI unit. No serial support, but works with IP on LTE interface   | USB        | ? | LTE          |
| Huawei E5673s-609          | v6.xx              | LTE interface  | USB        | ? | LTE          |
| Huawei K5160               | v6.37<br>v7.0beta6 | v6 and v7 - config-less LTE interface<br>v7 - by default will try to use modem in MBIM mode  | USB        | N |              |
| Huawei K5161               | v6.47              | Config-less LTE interface  | USB        | N |              |
| Huawei ME909s-120          | v6.28              | Recommended modem firmware version 11.617.24.00.00<br>To reduce LTE interface IP subnet mask to /32 configure modem with at-chat command:<br>/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          |
| Netgear Unite Explore 815S | v6.41              | MIFI unit. No serial support, but works with IP on LTE interface.  | USB        | Y | LTE          |
| Novatel USB730L            | v6.41RC6           | LTE interface  | USB        | ? | LTE          |
| Olivetti Olicard 500       | v6.41RC11          | ppp interface  | USB        | ? | LTE          |
| Quectel EC20/EC21          | v6.xx              | ppp interface, there is page in wiki about Quectel: <a href="#">article</a>  | MiniPCI-e  | ? | LTE          |
| Quectel BG77               | v6.47              | Serial/PPP interface, single AT/modem channel  | OEM module | N | IoT          |
| Quectel BG95-M3            | v6.47              | Serial/PPP interface, single AT/modem channel<br>Will not work in wAP R ac boards.   | mini-PCle  | N | 2G/IoT       |
| Quectel BG96               | v6.45              | Serial/PPP interface, 2x AT/modem channels   | mini-PCle  | N | 2G/IoT       |
| Quectel EC25               | v6.42              | ppp/LTE interface, there is page in wiki about Quectel ppp mode: <a href="#">article</a><br><br>RouterOS v6 CDC-ECM mode - LTE interface receive address in modems internal network.<br><br>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.<br><br>RouterOS v7 MBIM mode - LTE interface uses APN IP address.<br><br>In some boards may be required to disable SIM hot plug detection:<br><br>/interface lte set [find] modem-init="AT+QSIMDET=0,1" | MiniPCI-e  |   | GSM, 3G, LTE |

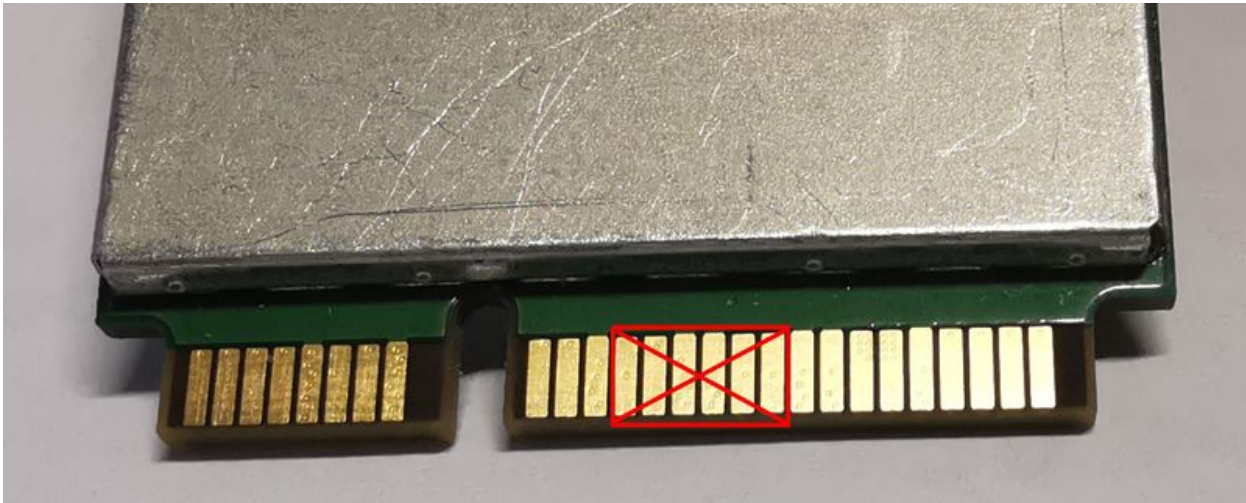
|  |                           |   |                              |   |             |
|--|---------------------------|---|------------------------------|---|-------------|
| Quectel EM12-G                         | v7.1beta5                 | MBIM driver   | m.2                          | Y | 3G,LTE      |
| Quectel EP06                           | v6.42                     | ppp/LTE interface, there is page in wiki about Quectel: <a href="#">article</a>   | MiniPCI-e                    | ? | LTE         |
| Quectel RM500Q-GL                      | v7.1beta6                 | MBIM driver   | m.2                          | Y | 3G, LTE, 5G |
| Quectel RM502Q-AE                      | v7.1beta5                 | MBIM driver   | m.2                          | Y | 3G, LTE, 5G |
| 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 Netgear AirCard 320U            | 6.41                      | Customer tested the modem with firmware 03.05.23  | USB                          | N | LTE         |
| Sierra wireless MC73xx                 | v6.xx(ppp)<br>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: <ul style="list-style-type: none"> <li>• 1009 - diag,modem,mbim</li> <li>• 100D - diag,nmea,modem,mbim</li> </ul> | mini-PCIe                    |   |             |
| Sierra Wireless MC7710 /MC7700 /MC7750 | v5.25, v6.0 and 6.40 RC43 | 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)<br>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         |
| SXT LTE                                | v6                        | LTE interface. Old version of SXT LTE   | Built-in                     | N | LTE         |
| SXT LTE kit                            | v6.42                     | LTE interface from R11e-LTE/R11e-LTE-US mini-pcie module  | Built-in                     | Y | LTE         |
| Tele2.ru LTE-D402                      | v6.47                     | Config-less LTE interface   |                              | N |             |
| Telecom NZ T-Stick ZTE MF-181          | v6.0rc13                  | Data Channel=2, Info Channel=2, APN <a href="http://internet.telecom.co.nz">internet.telecom.co.nz</a> , PHONE=*99#. Tested ok for both data and SMS on CCR1016-12G     | USB                          |   | 3G          |
| Telit FN980m                           | v7.5                      | AT#USBCFG=2   | m.2                          |   | LTE, 5G     |
| 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<br>(Turning<br>Point<br>Solution)<br>GCT450 | v6.48                     | Config-less LTE interface   | MiniPCI-e | N |     |
| Vodafone<br>(Huawei)<br>K4203                   | v7.xx                     | Not supported in ROS v6, but as this modem supports MBIM drivers support will be possible in ROS v7.        | USB       | ? | LTE |
| Vodafone<br>K4201-Z                             | v6.8                      | Some settings are ignored. LTE interface.   | USB       | ? | LTE |
| Vodafone<br>K4305                               | v6.7                      | Some settings are ignored.  | USB       | ? | LTE |
| Vodafone<br>K5160                               | v6.37                     | Some settings are ignored.  | USB       | ? | LTE |
| Yota LU150                                      | v5.22 and v6.4            | Some settings are ignored. Works in Russian markets.  | USB       | ? | LTE |
| Yota wifi<br>modem                              | v6.7                      | Some settings are ignored. Works in Russian markets.  | USB       | ? | LTE |
| Yota<br>WLTUBA-<br>107                          | v6.0                      | Some settings are ignored. Works in Russian markets.  | USB       | ? | LTE |
| ZTE 821D  | v6.x                      | Set Info channel = 1, Data channel = 3, Dial command=ATDT   | USB       |   | 3G  |
| ZTE AC5730                                      | v6.x                      |   | USB       |   | 3G  |
| ZTE<br>ME3630-E                                 | v6.40RC26                 | ppp and LTE interface   | MiniPCI-e | ? | LTE |
| ZTE MF110                                       | v6.28 and<br>higher       | Set info channel = 2, data channel = 2, Dial command=ATM1L3DT   | USB       |   | 3G  |
| ZTE MF823                                       | v6.8                      | Some settings are ignored. For some devices it's needed to enter in FACTORY mode to change operating state. | USB       | ? | LTE |
| ZTE MF825A                                      | v6.xx                     | Some settings are ignored.  | USB       | ? | LTE |
| ZTE MF827                                       | v6.8                      | Some settings are ignored.  | USB       | ? | LTE |
| ZTE MF90  | v6.44beta32<br>and higher | LTE interface   | USB       | N | LTE |
| Anteniti<br>3372h-153                           |                           |   |           |   |     |



Not all modems are listed. Localized and locked units may have compatibility issues. **All modems using MBIM driver should work by default on RouterOS v7.**

For some modems with USB3.0 support in some cases USB3.0 pins need to be isolated to ensure correct initialization:



## SFP modules

| Brand    | Model            | Rate   | Connector /Cable type | Wavelength          | Tested with  | Works / Doesn't    |
|----------|------------------|--|-----------------------|---------------------|--|--------------------|
| MikroTik | S-85DLC05D       | 1,25G  | Dual LC, MM           | 850nm               | *Check: <a href="#">SFP/SFP+ compatibility reference table</a> | Natively supported |
| MikroTik | S-31DLC20D       | 1,25G  | Dual LC, SM           | 1310nm              | *Check: <a href="#">SFP/SFP+ compatibility reference table</a> | Natively supported |
| MikroTik | S-35LC20D        | 1,25G  | BiDi LC, SM           | Tx:1310nm/Rx:1550nm | *Check: <a href="#">SFP/SFP+ compatibility reference table</a> | Natively supported |
| MikroTik | S-53LC20D        | 1,25G  | BiDi LC, SM           | Tx:1550nm/Rx:1310nm | *Check: <a href="#">SFP/SFP+ compatibility reference table</a> | Natively supported |
| MikroTik | S-RJ01           | 1000/100/10  | RJ45, Cat5/Cat6       | N/A                 | *Check: <a href="#">SFP/SFP+ compatibility reference table</a> | Natively supported |
| Axiom    | AXG91632         | 1000BASE-LX  | Dual LC               | 1310nm              | CRS125-24G-1S-RM   | Works!             |
| Finisar  | FCLF-8521-3      | 10/100/1000  | RJ45, Cat6            | N/A                 | RB2011LS-IN  | Works!             |
| Finisar  | FCLF-8521-3-MD   | 10/100/1000  | RJ45, Cat6            | N/A                 | RB2011LS-IN  | Works!             |
| Finisar  | FTRJ8519P1BNL-B1 | 10/100/1000 1.25 Gb/s 1000Base-SX Ethernet           | Dual LC, MM           | 850nm               | RB2011LS-IN  | Works!             |
| Finisar  | FTLF8519P2BNL    | 10/100/1000 1.25 Gb/s 1000Base-SX Ethernet           | Dual LC, MM           | 850nm               | RB2011LS-IN  | Works!             |
| Finisar  | FTRJ1319P1BTL    | 1.25Gb/s 1000Base-LX Ethernet                        | Dual LC, SM           | 1310nm              | CCR1009-8G-1S-1S+ and CCR1009-7G-1C-1S+                        | Works!             |
| Unica    | SFP-1.25G-T      | 1000M  | RJ45, Cat6            | N/A                 | RB2011LS-IN  | Works!             |
| Dell     | FTLX8571D3BCL    | 1,25G  | Dual LC, MM           | 850nm               | RB2011LS-IN  | Works!             |
| Unica    | GP-3124-L2CD-C   | 1,25G  | Dual LC, MM           | 1310nm              | RB2011LS-IN  | Works!             |
| Cisco    | GLC-T            | 1.25G  | RJ45, Cat6            | N/A                 | RB2011LS-IN  | Works!             |
| Cisco    | GLC-SX-MM        | 1000BASE-SX SFP transceiver module for MMF, 1.25G    | Dual LC, MM           | 850nm               | RB2011LS-IN  | Works!             |
| Cisco    | SFP-GE-L         | 1000BASE-LX/LH SFP transceiver module for SMF, 1.25G | Dual LC, SM           | 1300nm              | Various MT hardware  | Works!             |
| 6COM     | 6C-SFP-T         | 10/100/1000  | RJ45, Cat6            | N/A                 | RB2011LS-IN  | Works!             |
| 6COM     | 6C-WDM-0210BSD   | 1,25G  | BiDi SC, SM           | Tx:1550nm/Rx:1310nm | RB2011LS-IN  | Works!             |

|                  |                          |             |             |                     |                        |        |
|------------------|--------------------------|-------------|-------------|---------------------|------------------------|--------|
| 6COM             | 6C-WDM-0210ASD           | 1,25G       | BiDi SC, SM | Tx:1310nm/Rx:1550nm | RB2011LS-IN            | Works! |
| 6COM             | 6C-SFP-0310D             | 1,25G       | Dual LC, MM | 1310nm              | RB2011LS-IN            | Works! |
| 6COM             | 6C-SFP-0301D             | 1,25G       | Dual LC, MM | 850nm               | RB2011LS-IN            | Works! |
| Ingellen         | INSP-T(10/100/1000)      | 10/100/1000 | RJ45, Cat6  | N/A                 | RB2011LS-IN            | Works! |
| Ingellen         | INSPL-53-BX              | 1,25G       | BiDi LC, MM | 1550/1310           | RB2011LS-IN            | Works! |
| Ingellen         | INSPL-35-BX              | 1,25G       | BiDi LC, MM | 1310/1550           | RB2011LS-IN            | Works! |
| Ingellen         | INSP-LX-SM               | 1,25G       | Dual LC, SM | 1310nm              | RB2011LS-IN            | Works! |
| Ingellen         | INSP-SX-MM               | 1,25G       | Dual LC, MM | 850nm               | RB2011LS-IN            | Works! |
| AXCEN            | AXGT-R1T4-0511           | 10/100/1000 | RJ45, Cat6  | N/A                 | RB2011LS-IN            | Works! |
| AXCEN            | AXGD-37A4-0531           | 1,25G       | BiDi LC, MM | Tx:1550nm/Rx:1310nm | RB2011LS-IN            | Works! |
| AXCEN            | AXGD-16A4-0531           | 1,25G       | BiDi LC, MM | Tx:1310nm/Rx:1550nm | RB2011LS-IN            | Works! |
| AXCEN            | AXGD-1354-0531           | 1,25G       | Dual LC, MM | 1310nm              | RB2011LS-IN            | Works! |
| AXCEN            | AXGD-5854-0511           | 1,25G       | Dual LC, MM | 850nm               | RB2011LS-IN            | Works! |
| TP-Link          | TL-SM311LS               | 1,25G       | Dual LC, SM | 1310nm              | RB2011LS-IN            | Works! |
| TP-Link          | TL-SM311LM               | 1,25G       | Dual LC, MM | 850nm               | CCR1036 12G-4S         | Works! |
| OPTIC            | OPTIC-SFP-3524S-02-SC    | 1,25G       | BiDi SC, SM | Tx:1310nm/Rx:1550nm | RB2011UAS-RM, RB260GS  | Works! |
| OPTIC            | OPTIC-SFP-5324S-02-SC    | 1,25G       | BiDi SC, SM | Tx:1550nm/Rx:1310nm | RB2011UAS-RM, RB260GS  | Works! |
| OPTIC            | OPTIC-SFP-S1203-L3302-LC | 1,25G       | BiDi LC, SM | Tx:1310nm/Rx:1550nm | RB2011UAS-RM, RB260GS  | Works! |
| OPTIC            | OPTIC-SFP-S1205-L3302-LC | 1,25G       | BiDi LC, SM | Tx:1550nm/Rx:1310nm | RB2011UAS-RM, RB260GS  | Works! |
| ROBOFiber        | SFP-7120-55              | 1,25G       | Dual LC, SM | 1550nm              | CCR1036-12G-4S, RB2011 | Works! |
| ROBOFiber        | SFP-7120-WA              | 1,25G       | BiDi LC, MM | Tx:1490nm/Rx:1550nm | CCR, RB2011            | Works! |
| ROBOFiber        | SFP-7120-WB              | 1,25G       | BiDi LC, MM | Tx:1550nm/Rx:1490nm | CCR, RB2011            | Works! |
| Enguity          | SFP-3647603KM.b1310 XT   | 1,25G       | BiDi LC, SM | Tx:1310nm/Rx:1550nm | CCR, RB2011, RB260GS   | Works! |
| Enguity          | SFP-3647603KM.b1550 XT   | 1,25G       | BiDi LC, SM | Tx:1550nm/Rx:1310nm | CCR, RB2011, RB260GS   | Works! |
| Enguity          | SFP-3647610KM.b1490 XT   | 1,25G       | BiDi LC, SM | Tx:1490nm/Rx:1550nm | CCR, RB2011, RB260GS   | Works! |
| Enguity          | SFP-3647610KM.b1550 XT   | 1,25G       | BiDi LC, SM | Tx:1550nm/Rx:1490nm | CCR, RB2011, RB260GS   | Works! |
| AdvOptics MSA    | GLC-SX-MM                | 1,25G       | BiDi LC, MM | Tx:1310nm/Rx:1310nm | CCR, RB2011, RB260GS   | Works! |
| AdvOptics MSA    | GLC-ZX-SM                | 1,25G       | BiDi LC, SM | Tx:1310nm/Rx:1310nm | CCR, RB2011, RB260GS   | Works! |
| Proline          | GLC-BX-D20-PRO           | 1,25G       | BiDi LC, SM | Tx:1490nm/Rx:1310nm | CRS125                 | Works! |
| Proline          | GLC-BX-D40-PRO           | 1,25G       | BiDi LC, SM | Tx:1310nm/Rx:1490nm | CRS125                 | Works! |
| Foundry Networks | E1MG-BXU-AC              | 1,25G       | BiDi LC, SM | Tx:1310nm/Rx:1490nm | RB3011UiAS, hAP ac     | Works! |

|       |              |       |             |       |                |                      |
|-------|--------------|-------|-------------|-------|----------------|----------------------|
| Avago | SFBR-5799APZ | 1,25G | Dual LC, MM | 850nm | CRS326, CRS112 | Works in 1Gbps mode! |
| Eltex | NTU-SFP-100  | 1,25G | SC          | N/A   | RB4011iGS+     | Works!               |

## SFP+ modules

| Brand             | Model              | Distance   | Rate                     | Connector /Cable type   | Wavelength          | Tested with   | Works / Doesn't                                |
|-------------------|--------------------|--|--------------------------|-------------------------|---------------------|---|--|
| MikroTik          | S+85DLC03D         | 300m   | 10G                      | Dual LC, MM             | 850nm               | All MikroTik products with SFP /SFP+ interfaces     | Natively supported                             |
| MikroTik          | S+31DLC10D         | 10km   | 10G                      | Dual LC, SM             | 1310nm              | All MikroTik products with SFP /SFP+ interfaces     | Natively supported                             |
| MikroTik          | S+23LC10D          | 10km   | 10G                      | BiDi LC, SM             | Tx:1270nm/Rx:1330nm | All MikroTik products with SFP /SFP+ interfaces     | Natively supported                             |
| MikroTik          | S+32LC10D          | 10km   | 10G                      | BiDi LC, SM             | Tx:1330nm/Rx:1270nm | All MikroTik products with SFP /SFP+ interfaces     | Natively supported                             |
| MikroTik          | S+DA0001           | 1m   | 10G                      | Twinax Copper           | N/A                 | All MikroTik products with SFP /SFP+ interfaces     | Natively supported                             |
| MikroTik          | S+DA0003           | 3m   | 10G                      | Twinax Copper           | N/A                 | All MikroTik products with SFP /SFP+ interfaces     | Natively supported                             |
| MikroTik          | S+RJ10             | various, depending on link rate. Check brochure for more details | 10G/5G/2.5G/1G /100M/10M | RJ45 - Cat5E /Cat6/Cat7 | N/A                 | All MikroTik products with SFP+ interfaces          | Natively supported                             |
| Atop              | APSP55B30C DL40    | 40km   | 10G                      | Dual LC, SM             | 1550nm              | CRS series, CCR series devices with SFP+ interfaces | Does NOT work!                                 |
| Cisco             | SFP-10G-LR         | 10km   | 10G                      | Dual LC, SM             | 1310nm              | RB2011LS-IN   | Works!   |
| Dell (Finisar)    | FTLX8571D3B CL     | 300m   | 10G                      | Dual LC, MM             | 850nm               | Most of SFP/SFP+ MikroTik products                  | Works!   |
| Juniper (Finisar) | FTLX8571D3B CL-J1  | 300m   | 10G                      | Dual LC, MM             | 850nm               | Most of SFP/SFP+ MikroTik products                  | Works!   |
| Intel (Finisar)   | FTLX8571D3B CV-IT  | 300m   | 10G                      | Dual LC, MM             | 850nm               | Most of SFP/SFP+ MikroTik products                  | Works!   |
| OEM (Juniper?)    | EX-SFP-10GE-SR-OEM | 300m   | 10G                      | Dual LC, MM             | 850nm               | Most of SFP/SFP+ MikroTik products                  | Works!   |
| Fiberstore        | SFP-10G31-40       | 40km   | 10G                      | Dual LC, SM             | 1310nm              | CRS series, CCR series devices with SFP+ interfaces | Works!   |
| Fiberstore        | SFP-10G55-40       | 40km   | 10G                      | Dual LC, SM             | 1310nm              | CRS series, CCR series devices with SFP+ interfaces | Works!   |
| Fiberstore        | SFP-10G32-40       | 40km   | 10G                      | BiDi LC, SM             | Tx:1330nm/Rx:1270nm | CRS series, CCR series devices with SFP+ interfaces | Works!   |
| Fiberstore        | SFP-10G23-40       | 40km   | 10G                      | BiDi LC, SM             | Tx:1270nm/Rx:1330nm | CRS series, CCR series devices with SFP+ interfaces | Works!   |
| Optech            | OPAK-TX1-00-C      | 30m  | 10G                      | RJ45 - Cat 6a /7 Cable  | N/A                 | CCR, CCR, CSS series devices with SFP+ interfaces   | Works, starting with v6.40rc20 RouterOS build. |
| ProLabs           | SFP-10G-T-C        | 30m  | 10G                      | RJ45 - Cat 6a /7 Cable  | N/A                 | CCR, CCR, CSS series devices with SFP+ interfaces   | Works, starting with v6.40rc20 RouterOS build. |