

Products

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Product comparison



Ethernet ports	5	10/100/1000	10/100/1000																																																																																																												
Ethernet ports	N/A	1	2																																																																																																												
802.11a	N/A	Yes	Yes																																																																																																												
802.11b	Yes	Yes	Yes																																																																																																												
802.11g	Yes	Yes	Yes																																																																																																												
802.11n	Yes	Yes	Yes																																																																																																												
AC Advertised marketing name	N/A	AC1600	AC1200																																																																																																												
Antenna gain	2.5	2	2																																																																																																												
Antenna gain dBi for Wireless 2	N/A	2	2.5																																																																																																												
Architecture	MIPSBE	MIPSBE	ARM 32bit																																																																																																												
CPU	AR9344	QCA9556	IPQ-4018																																																																																																												
CPU Threads count	N/A	N/A	4																																																																																																												
CPU core count	1	1	4																																																																																																												
CPU nominal frequency	600 MHz	720 MHz	716 MHz																																																																																																												
Can be used indoors	Yes	Yes	Yes																																																																																																												
Can be used outdoors	N/A	Yes	N/A																																																																																																												
DC jack input Voltage	9-30 V	N/A	N/A																																																																																																												
Dimensions	113x138x29mm	185 x 85 x 30 mm	Round case: ø 136 mm, height: 30 mm; Square case: 145 mm x 145 mm x 30 mm																																																																																																												
License level	4	4	4																																																																																																												
Max Power consumption	N/A	N/A	13 W																																																																																																												
Max USB current (A)	1	N/A	N/A																																																																																																												
Max out per port output (input < 30 V)	500 mA	N/A	500 mA																																																																																																												
Max out per port output (input > 30 V)	N/A	N/A	400 mA																																																																																																												
Max power consumption (W)	6.5 W	12 W	24 W																																																																																																												
Max total out (A)	500 mA	N/A	500 mA																																																																																																												
Mode button	N/A	N/A	Yes																																																																																																												
Number of DC inputs	2	1	1																																																																																																												
Number of USB ports	1	N/A	N/A																																																																																																												
Operating System	RouterOS	RouterOS	RouterOS																																																																																																												
PCB temperature monitor	N/A	Yes	N/A																																																																																																												
PoE in	Passive PoE	802.3af/at	802.3af/at																																																																																																												
PoE in input Voltage	9-30 V	11-57 V	17-57 V																																																																																																												
PoE out	Passive PoE	N/A	Passive PoE up to 57V																																																																																																												
PoE-out ports	Ether5	N/A	Ether2																																																																																																												
Size of RAM	128 MB	64 MB	128 MB																																																																																																												
Storage size	128 MB	16 MB	16 MB																																																																																																												
Storage type	NAND	FLASH	FLASH																																																																																																												
TX power	<table><tr><th colspan="3">2.4 GHz</th></tr><tr><th></th><th>TX</th><th>RX</th></tr><tr><td>6MBit/s</td><td>30</td><td>-96</td></tr><tr><td>54MBit/s</td><td>25</td><td>-80</td></tr><tr><td>MCS0</td><td>30</td><td>-96</td></tr><tr><td>MCS7</td><td>23</td><td>-78</td></tr></table>	2.4 GHz				TX	RX	6MBit/s	30	-96	54MBit/s	25	-80	MCS0	30	-96	MCS7	23	-78	<table><tr><th colspan="3">2.4 GHz</th></tr><tr><th></th><th>TX</th><th>RX</th></tr><tr><td>6MBit/s</td><td>25</td><td>-95</td></tr><tr><td>54MBit/s</td><td>23</td><td>-80</td></tr><tr><td>MCS0</td><td>25</td><td>-95</td></tr><tr><td>MCS7</td><td>22</td><td>-74</td></tr><tr><td>1MBit/s</td><td>25</td><td>-95</td></tr><tr><td>11MBit/s</td><td>25</td><td>-90</td></tr><tr><th colspan="3">5 GHz</th></tr><tr><th></th><th>TX</th><th>RX</th></tr><tr><td>6MBit/s</td><td>25</td><td>-96</td></tr><tr><td>54MBit/s</td><td>25</td><td>-81</td></tr><tr><td>MCS0</td><td>25</td><td>-96</td></tr><tr><td>MCS7</td><td>24</td><td>-77</td></tr><tr><td>MCS9</td><td>23</td><td>-72</td></tr></table>	2.4 GHz				TX	RX	6MBit/s	25	-95	54MBit/s	23	-80	MCS0	25	-95	MCS7	22	-74	1MBit/s	25	-95	11MBit/s	25	-90	5 GHz				TX	RX	6MBit/s	25	-96	54MBit/s	25	-81	MCS0	25	-96	MCS7	24	-77	MCS9	23	-72	<table><tr><th colspan="3">2.4 GHz</th></tr><tr><th></th><th>TX</th><th>RX</th></tr><tr><td>6MBit/s</td><td>26</td><td>-96</td></tr><tr><td>54MBit/s</td><td>23</td><td>-78</td></tr><tr><td>MCS0</td><td>26</td><td>-96</td></tr><tr><td>MCS7</td><td>22</td><td>-73</td></tr><tr><td>1MBit/s</td><td>26</td><td>-100</td></tr><tr><td>11MBit/s</td><td>26</td><td>-94</td></tr><tr><th colspan="3">5 GHz</th></tr><tr><th></th><th>TX</th><th>RX</th></tr><tr><td>6MBit/s</td><td>26</td><td>-96</td></tr><tr><td>54MBit/s</td><td>21</td><td>-80</td></tr><tr><td>MCS0</td><td>26</td><td>-96</td></tr><tr><td>MCS7</td><td>20</td><td>-75</td></tr><tr><td>MCS9</td><td>18</td><td>-70</td></tr></table>	2.4 GHz				TX	RX	6MBit/s	26	-96	54MBit/s	23	-78	MCS0	26	-96	MCS7	22	-73	1MBit/s	26	-100	11MBit/s	26	-94	5 GHz				TX	RX	6MBit/s	26	-96	54MBit/s	21	-80	MCS0	26	-96	MCS7	20	-75	MCS9	18	-70
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Tested ambient temperature	-20C +50C	-40°C to 70°C	-40°C to 50°C																																																																																																												
USB Power Reset	Yes	N/A	N/A																																																																																																												
USB slot type	USB type A	N/A	N/A																																																																																																												
Voltage Monitor	N/A	Yes	N/A																																																																																																												
Wi-Fi generation	Wi-Fi 4	5	5																																																																																																												
Wireless 1 Max data rate	300 Mbit/s	300 Mbit/s	300 Mbit/s																																																																																																												
Wireless 1 Number of chains	2	2	2																																																																																																												
Wireless 1 band	2.4 GHz	2.4 GHz	2.4 GHz																																																																																																												
Wireless 2 Max data rate	N/A	1300 Mbit/s	867 Mbit/s																																																																																																												
Wireless 2 Number of chains	N/A	3	2																																																																																																												
Wireless 2 band	N/A	5 GHz	5 GHz																																																																																																												
Wireless chip model	AR9344	QCA9556	IPQ-4018																																																																																																												
Wireless secondary chip model	N/A	QCA9880	IPQ-4018																																																																																																												
Wireless secondary standards	N/A	802.11a/n/ac	802.11a/n/ac																																																																																																												
Wireless standards	802.11b/g/n	802.11b/g/n	802.11b/g/n																																																																																																												

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