

# IB58821NMacd-800mbps

By supporting the 802.11ac wireless standard, the IB58821NMacd allows to use data rates of up to 1.3Gbps (for the T models), 256-QAM modulation and 20/40/80MHz channels. With its huge speed improvements, 802.11ac opens up new possibilities.

The IB58821NMacd is a completely new product in a waterproof enclosure. Its rugged design is made to withstand the toughest conditions, but at the same time is easy to use and can be opened and closed with one hand. The solid aluminum enclosure also works as a reliable heat sink for its high output power radio.

IB58821NMacd models have mini PCI-e slot for another wireless card.

CPU	QCA9557 720MHz network processor			
Memory	128MB DDR2 onboard memory			
Ethernet	One Gigabit port with Auto-MDI/X			
SFP	1x SFP cage available			
Extras	Beeper, signal and status LEDs, voltage and temperature sensors			
Supported	20/40/80MHz			
Expansion	USB 2.0 port		USB 2.0 port, 1x MiniPCie	
Power input	PoE in: 8-30V DC on Ether1 (Non 802.3af)			
Operating temperature	-40C to +70C tested			
Consumption	23W	21W	23W	17W
Dimensions	143x247x48mm; Weight: 865g			
OS	Ibridge Router OS, Level4 license, free product lifetime upgrades			
Kit includes	IB58821NMacd outdoor unit, Power adapter 24V 1.2A, PoE injector, miniPCie mounting screws, DIN rail mount, metal mounting ring, 2x plastic mounting loops			

Wireless	QCA9880 5GHz 802.11ac	QCA9882 5GHz 802.11ac	QCA9880 5GHz	QCA9882 5GHz
Chains	Triple chain	Dual chain	Triple chain	Dual chain
Connector type	RP-SMA Female (outside thread)			
Connectors	3x	2x	3x	2x
TX/RX at MCS0	33dBm / -96dBm	31dBm / - 96dBm	32dBm / - 96dBm	30dBm / - 96dBm
TX/RX at MCS7	31dBm / -77dBm	29dBm / - 77dBm	29dBm / - 77dBm	27dBm / - 77dBm
TX/RX at MCS9	27dBm / -72dBm	25dBm / - 72dBm	24dBm / - 72dBm	22dBm / - 72dBm
TX/RX at 6Mbit	33dBm / -96dBm	31dBm / - 96dBm	33dBm / - 96dBm	31dBm / - 96dBm
TX/RX at 54Mbit	31dBm / -81dBm	29dBm / - 81dBm	29dBm / - 81dBm	27dBm / - 81dBm
Operating Frequency range	4920-6100 MHz			