

NetModule Industrial Router	IoT Line	Industrial Line			
	NB800	NB1600	NB1601	NB1800	NB1810
Ethernet	1 FE	2 FE	4 FE	2 GbE +1 SFP	1 GbE/SFP +1 GbE +4 GbE PoE+
SIMs	1 micro	1 mini	2 micro	2 micro	
Module Slots	1 (shield)	2	1 + 1 (shield/ext. module)	2 + 2 (ext. module)	
Max Cellular (onboard + module)	1 + 0	0 + 1	1 + 1	0 + 2	
Max WiFi (onboard + module)	1 + 0	0 + 1	1 + 0	0 + 2	
Max Antenna Connectors	4 SMA	5 SMA	7 SMA	5 SMA	
Cellular Standards	LTE, HSPA+UMTS, GSM, NB1(**), M1(**)	LTE, HSPA+UMTS, GSM, LTE750, LTE450, GSM-R	LTE, HSPA+UMTS, GSM, NB1(**), M1(**), LTE750(**), LTE450(**), GSM-R	LTE Advanced, LTE, HSPA+UMTS, GSM, LTE750, LTE450	
LTE Category	Cat 4, Cat 1(**)	Cat 4	Cat 4, Cat 1(**)	Cat 4 or Cat 6	
Bands Standard Modem (other regions on request)	LTE: B1, B2, B3, B4, B5, B7, B8, B20 UMTS: B1, B2, B5, B8 GSM: B5, B8, B3, B2 150 Mbps down / 50 Mbps up	LTE: B1, B3, B5, B7, B8, B20 UMTS: B1, B2, B5, B8 GSM: B5, B8, B3, B2 150 Mbps down / 50 Mbps up		LTE: B1, B2, B3, B4, B5, B7, B8, B12, B13, B20, B25, B26, B29, B30, B41 UMTS: B1, B2, B3, B4, B5, B8 300 Mbps down / 50 Mbps up	
GNSS	on Extension(**)	GPS of cellular modem	GNSS chip with GPS, GLONASS, Galileo, BeiDou	GPS of cellular modem (**)	
WiFi/LP-Wireless Standards	802.11abgn (max 10 clients), BT/BLE4.2	802.11abgn	802.11abgn (max 10 clients), BT/BLE4.2	802.11abgn+ac	
Core System	600MHz Single Core ARM, 512MB RAM, 4GB eMMC	400MHz Single Core PPC, 64MB RAM, 128MB NAND	600MHz Single Core ARM, 512MB RAM, 4GB eMMC	1.3GHz Dual Core ARM, 1024MB RAM, 4GB eMMC	
LTE-WiFi Throughput	100 Mbps	40Mbps	90 Mbps	200Mbps	
LAN-WiFi Throughput	100 Mbps	40Mbps	90 Mbps	200Mbps	
LAN-LAN Throughput	n/a	70Mbps	100 Mbps	930Mbps	
Digital I/O	1/1 on Extension	2/2	1/1 + 1/1 on EXT 1	2/2 on Extension (**)	
Serial Port	1 on Extension	1	1 + 1 on EXT 1	1	
Extension Ports	1	-	1 + 1	2	
Extension Options	COM-IO, Dual-CAN, SubGHz(**), CanGI(**)	n/a	COM-IO, Dual-CAN, SubGHz(**), FXS, 2/2 DIO(**)	FXS, 2/2 DIO(**)	
Extended Data Storage	n/a	32/64GB eMMC		SD card + 32/64GB eMMC	
USB Port		USB2.0 Host			
Customer Applications	SDK, LXC Virt.	SDK	SDK, LXC Virt.		
Input Voltage	12/24VDC	12/24/48VDC	12/24VDC	12/24/48VDC	
Dimension w/h/d in mm	85/111 x 32 x 110	124 x 45 x 110	124 x 45 x 110	128 x 61 x 121	
Weight in gr	250	600	450	900	1'100
Mounting Options	Wall/Brackets	DIN Rail	DIN Rail (vertical / horizontal)	DIN Rail (vertical / horizontal)	
Temperature Range (Operational)	-40°C to +70°C	-25°C to +70°C	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C, -40°C to +50°C with PoE
Compliance	CE/RED, UN ECE R10, UN ECE R118(**), FCC(**)	CE/RED			

* planned, ** under development
last modification 9.5.2019, ba