

NetModule Industrial Router	Industrial IoT Line	Industrial Line	
	NB800	NB1600	NB1601
Ethernet	1FE	2FE	4FE
SIMs	1 micro	1 mini	2 micro
Module Slots	1 (shield)	2	1+1 (shield)
Max Cellular (onboard + module)	1+0	0+1	1+1
Max WiFi/LP-Wireless (onboard + module)	1+0	0+1	1+0
Max Antenna Connectors	4 SMA	5 SMA	5+2(*) SMA
Cellular Standards	LTE/UMTS/GSM	LTE/UMTS/GSM, LTE750, LTE450, CDMA450, GSM- R	LTE/UMTS/GSM, LTE750(**), LTE450(**), CDMA450(**), GSM-R(**)
LTE Category	Cat 4	Cat 3	Cat 4
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, B2, B3, B5, B7, B8, B20 UMTS: B5, B8, B2, B1 GSM: B5, B8, B3, B2 100 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
GNSS	-	GPS of cellular modem	GNSS chip with GPS, GLONASS, Galileo, BeiDou
WiFi/LP-Wireless Standards	802.11abgn (max 10 clients), BT/BLE4.2	802.11abgn	802.11abgn (max 10 clients), BT/BLE4.2
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
LTE-WiFi Throughput	100 Mbps	40Mbps	100 Mbps
LAN-WiFi Throughput	100 Mbps	40Mbps	100 Mbps
LAN-LAN Throughput	-	70Mbps	100 Mbps
Digital I/O	on Extension	2/2	1/1 + 1/1 on EXT 1
Serial Port	on Extension	1x RS-232	1x RS-232 + 1x RS-232/485 on EXT 1
Extension Ports	EXT: 6xPin 3.5mm Block	-	EXT 1: 8xPin 3.5mm Block EXT 2: module with frontpanel
Extension Options	1/1 DIO +RS232/485-3wire, Dual-CAN	32/64GB eMMC	EXT 1: 1/1 DIO +RS232/485 or Dual-CAN EXT 2(*): CAN, RS-232, RS-485, IBIS, 32/64GB eMMC, Audio or miniPCIe modem
Extended Data Storage	-	-	-
USB Port	USB2.0 Host	USB2.0 Host	USB2.0 Host
Customer Applications	SDK, LXC Virt.	SDK	SDK, LXC Virt.
Input Voltage	12/24VDC	12/24/48VDC	12/24VDC
Dimension w/h/d in mm	85/111 x 32 x 110	124 x 45 x 110	124 x 45 x 110
Weight	ca. 250g	ca. 600g	ca. 450g
Mounting Options	Wall/Brackets	DIN Rail	DIN Rail (vertical / horizontal)
Temperature Range (Operational)	-40°C to +70°C	-25°C to +70°C	-40°C to +70°C

* planned, ** under development