

NetModule Railway Router	NB3700 Series				NB3800 Series
	NB3700	NB3710	NB3701	NB3711	NB3800
Ethernet	5 FE				2 GbE + 3 FE
SIMs	2 mini	4 mini	2 mini	4 mini	4 mini
Module Slots	2	6	2	6	6
Max Cellular (onboard + module)	0 + 2	0 + 4	0 + 2	0 + 4	0 + 4
Max WiFi (onboard + module)	0 + 2	0 + 2	0 + 2	0 + 2	0 + 2
Max Antenna Connectors	5 TNC	9 TNC	5 TNC	9 TNC	11 TNC
Cellular Standards	LTE, HSPA+UMTS, GSM, GSM-R, LTE750, LTE450				LTE Advanced, LTE, HSPA+UMTS, GSM, GSM-R, LTE750, LTE450
LTE Category	Cat 4	Cat 4	Cat 4	Cat 4	Cat 4 or Cat 6
Bands Standard Modem (other regions on request)	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	GNSS on cellular modem or GNSS Advanced module				
WiFi/LP-Wireless Standards	802.11abgn 2.4/5GHz		802.11abgn+ac 2.4/5GHz		
Core System	400MHz Single Core PPC, 256MB RAM, GB eMMC		1.3GHz Dual Core ARM, 1024MB RAM, 4GB eMMC		
LTE-WiFi Throughput	40Mbps		200Mbps		
LAN-WiFi Throughput	40Mbps		90Mbps		200Mbps
LAN-LAN Throughput	70Mbps		90Mbps		930Mbps
Digital I/O	2/2				2/2 on Extension (**)
Serial Port	1 instead of Digital I/O	1 on Extension Port	1 instead of Digital I/O	1 on Extension Port	
Extension Ports	n/a	2	n/a	2	2
Extension Options	n/a	IBIS, CAN, RS-232, RS-485, Audio in/out	n/a	IBIS, CAN, RS-232, RS-485, Audio in/out	
Extended Data Storage	32/64GB eMMC				32/64GB eMMC, 128/256/512GB/1TB SSD
USB Port	USB 2.0 Host				
Customer Applications	SDK		SDK, LXC Virt.		
Input Voltage	24/36/48VDC (standard) or 72/96/110VDC (optional)				
Dimension w/h/d in mm	190/86/104	190/105/104	190/86/104	190/105/104	190/121/106
Weight in gr	1.400		1.500		1.900
Mounting Options	Wall mounting / brackets				
Temperature Range (Operational)	EN50155 TX, -40°C to +70°C (Storage 85°C)	12-48VDC, max. 5 radio modules: EN50155 TX, -40 °C to +70 °C 72-110VDC, max. 3 radio modules: EN50155 TX, -40 °C to +70 °C 72-110VDC, max. 4 radio modules: EN50155 T2, -40 °C to +55 °C (Storage 85°C)	EN50155 TX, -40°C to +70°C (Storage 85°C)	12-48VDC, max. 5 radio modules: EN50155 TX, -40 °C to +70 °C 72-110VDC, max. 3 radio modules: EN50155 TX, -40 °C to +70 °C 72-110VDC, max. 4 radio modules: EN50155 T2, -40 °C to +55 °C (Storage 85°C)	24-48VDC, max. 4 radio modules: EN50155 TX, -40 °C to +70 °C 24-48VDC, max. 6 radio modules: EN50155 T1, -25 °C to +55 °C 72-110VDC, max. 4 radio modules: EN50155 TX, -40 °C to +70 °C 72-110VDC, max. 5 radio modules: EN50155 T2, -40 °C to +55 °C (Storage 85°C)
Compliance	CE/RED, Railway according to EN50155, EN45545, UN ECE R118(**)				

\* planned, \*\* under development