

Mobile / Cellular	<p>1-2 Multimode LTE, UMTS and GSM modules LTE/4G FDD Bands: B1(2100), B2(1900), B3(1800), B5(850), B7(2600), B8(900), B20(800) DC-HSPA+/UMTS/3G: B5(850), B8(900), B2(1900), B1(2100) GSM/2G: B5(850), B8(900), B3(1800), B2(1900) Data rates: LTE max. 100 Mbps downlink / 50 Mbps uplink (DC-HSPA+ 42/5.76) - or - Multimode UMTS and GSM module UMTS/3G: B5(850), B8(900), B2(1900), B1(2100) GSM/2G: B5(850), B8(900), B3(1800), B2(1900) Data rates: max. 14.4 Mbps downlink / 5.76 Mbps uplink</p> <p>Antenna connector: 1-2 TNC female SIM slots: 2 Mini-SIM ISO/IEC 7810:2003, ID-000</p>
WLAN / WiFi	<p>IEEE 802.11abgn up to 300 Mbps 2.4/5GHz MIMO, access point or client Antenna connector: TNC female, supporting one or two antennas</p>
Ethernet	5 port Ethernet switch 10/100 Mbps, auto MDX, M12 connector 4 poles D-coded female
GPS	<p>GPS receiver with NMEA 0183 data stream, tracking sensitivity -154 dBm (typical) Antenna connector: TNC female, support for active and passive antennas</p>
USB	USB 2.0 host interface, Connector type: USB A
Serial	<p>Protocol: 1 x RS232 DCE interface instead of digital I/O port Connector type: M12, 4 poles, D-coded female</p>
Digital I/O	<p>2 digital inputs, level 0 (not set): 0-4.0 VDC level 1 (set): 7.2-40 VDC 2 digital outputs, 0-60 VDC/1A, maximum switching capacity: 60 W Connector: M12 8 poles A-coded female</p>
Power	<p>Standard - Nominal voltages: 24VDC, 36VDC and 48VDC according to EN50155; Voltage range 12VDC to 60VDC, -15% / +5% Option - Nominal voltages: 72VDC, 96VDC and 110VDC according to EN50155; Voltage range 50VDC to 136VDC, $\pm 10\%$</p> <p>Max. power consumption: 15W Compliant with EN50155 class S2/C1: interruptions up to 10ms are tolerated, no batteries Connector type: M12, 4 poles, A-coded male, Pin1 +, Pin3 -</p>
Environment	<p>Operational temperature: -40 °C to +70 °C; Storage temperature: -40 °C to +85 °C Conformal coating, IP40 with SIM / USB cover mounted, IP52 option</p>
Dimensions, weight	Width 190mm x height 86mm x depth 104mm, approx. 1'100g
MTBF	117'000h-296'000h depending on model
EMC standards	<p>EN 55022:2010, EN 61000-6-2:2005, EN 50121-3-2:2006 (Emission) EN 55024:2010, EN 50121-3-2:2006, EN 50121-4:2006 (Immunity)</p>
Type Approval	<p>CE according to R&TTE Railway: EN50155, EN 45545-2:2015</p>
Order numbers	(contact sales for more models, options or project specific adaptations)
NB3700-U	UMTS Router
NB3700-U-G	UMTS Router + GPS
NB3700-UW-G	UMTS, WLAN Router + GPS
NB3700-L-G	LTE Router + GPS
NB3700-LW-G	LTE, WLAN Router + GPS
NB3700-LWPb-G	LTE, WLAN Router + 70, 96, 110V PSE + GPS