

Comparative characteristics of NB-IoT devices, Revision 3

	NB-11 rev.3	NB-12 rev.3	NB-13 rev.3
Pulse inputs	4	up to 2	-
Security inputs (digital)	2	up to 2	2
Analog inputs	-	1	-
Measured voltage range at analog input	-	from 0 up to 3 V	-
RS-232 interface	-	-	yes
RS-485 interface	-	-	yes
ModBUS protocol support	-	-	yes
Number of connected ModBus devices	-	-	up to 20
The amount of data received per read operation	-	-	up to 251 bytes
Maximum number of read operations when polling the sensor	-	-	up to 20
1-Wire interface	-	yes	yes
Maximum number of connected temperature 1-Wire sensors	-	up to 10	
4-20 mA interface	-	yes	-
Number of channels for monitoring the integrity of the conductor and insulation	-	-	-
Number of battery connectors	1	2	-
External supply voltage	-	-	5...55 V
Output for power supply of external devices	-	-	8 V
Black box capacity, minimum packages quantity	144 000	93 000	33 000
Energy independence of the black box	yes	yes	yes
Connection type	LTE Cat NB2 (NB-IoT), GPRS		
Data transfer protocol	MQTT		
Housing dimensions	95 x 95 x 50 mm		
Ingress protection rating	IP67		
Antenna type	external		
Built-in temperature sensor	yes		