

Comparative characteristics of NB-IoT devices, Revision 1

	NB-11 rev.1	NB-12 rev.1	NB-13 rev.1	NB-14 rev.1	NB-15 rev.1
Pulse inputs	4	up to 2	-	-	up to 2
Security inputs (digital)	2	up to 2	2	2	up to 2
Analog inputs	-	1	-	-	2
Measured voltage range at analog input	-	from 0 up to 3 V	-	-	from 0 up to 21 V
RS-232 interface	-	-	yes	-	-
RS-485 interface	-	-	yes	-	yes
ModBUS protocol support	-	-	yes	-	yes
Number of connected ModBus devices	-	-	up to 10	-	1
The amount of data received per read operation	-	-	up to 8 bytes	-	up to 2 bytes
Maximum number of read operations when polling the sensor	-	-	up to 10	-	up to 10
1-Wire interface	-	yes	yes	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	-	-	-	2	-
Number of battery connectors	1	3	-	2	2
External supply voltage	-	-	5...55 V	-	5...55 V
Output for power supply of external devices	-	-	8 V	-	-
Black box capacity, minimum packages quantity	144 000	93 000	33 000	107 000	200
Energy independence of the black box	yes	yes	yes	yes	-
Connection type	LTE Cat NB2 (NB-IoT)				
Data transfer protocol	MQTT				
Housing dimensions	95 x 95 x 50 mm				
Ingress protection rating	IP67				
Antenna type	external				
Built-in temperature sensor	yes				