

nRF9160 Product Specification

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1. Ordering information

This chapter contains information on IC marking, ordering codes, and container sizes.

Box labels

The following figures show the box labels used for the nRF9160.

Figure 1. Inner box label

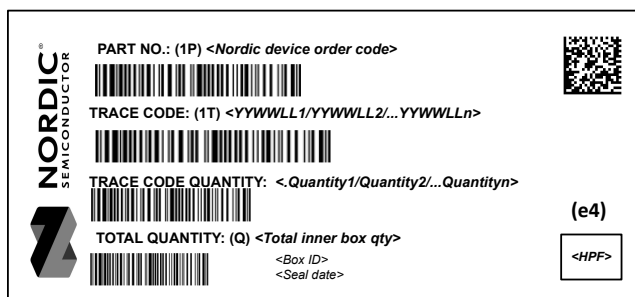


Figure 2. Outer box label

	
FROM: 	TO: 
PART NO.: (1P) <Nordic device order code>  <H><P><F>	
CUSTOMER PO NO.: (K) <Customer Purchase Order No.>  Pb	
SALES ORDER NO.: (14K) <Nordic Sales Order+Sales order line no.+ Delivery line no.> 	
SHIPMENT ID.: 2K <Nordic's shipment ID.> 	
QUANTITY: (Q) <Total quantity> 	
COUNTRY OF ORIGIN.: 4L <2- character code of COO> 	CARTON NO: <i>x/n</i>
DELIVERY NO.: (9K) <Shipper's shipment no.> 	GROSS WEIGHT:  KGS 

Order code

The following are the order codes and definitions for the nRF9160.

Figure 3. Order code

n	R	F	9	1	6	0	-	<P	P>	<V	V>	-	<H>	<P>	<F>	-	<C	C>
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Abbreviation	Definition and implemented codes
N91/nRF91	nRF91 Series product
60	Part code
<PP>	Package variant code
<VV>	Function variant code
<H><P><F>	Build code

Abbreviation	Definition and implemented codes
	H - Hardware version code P - Production configuration code (production site, etc.) F - Firmware version code (only visible on shipping container label)
<YY><WW><LL>	Tracking code YY - Year code WW - Assembly week number LL - Wafer lot code
<CC>	Container code

Table 1. Abbreviations

Code ranges and values

The nRF9160 code ranges and values are defined here.

<PP>	Package	Size (mm)	Pin/Ball count	Pitch (mm)
SI	LGA	16.00 x 10.50	127	0.50

Table 2. Package variant codes

<VV>	LTE-M/NB-IoT/GPS	Flash (kB)	RAM (kB)
CA	LTE-M/NB-IoT/GPS	1024	256
AA	LTE-M only		

Table 3. Function variant codes

<H>	Description
[A . . Z]	Hardware version/revision identifier (incremental)

Table 4. Hardware version codes

<P>	Description
[0 . . 9]	Production device identifier (incremental)
[A . . Z]	Engineering device identifier (incremental)

Table 5. Production configuration codes

<F>	Description
[A . . N, P . . Z]	Version of preprogrammed firmware
[0]	Delivered without preprogrammed firmware

Table 6. Production version codes

<YY>	Description
[15 . . 99]	Production year: 2015 to 2099

Table 7. Year codes

<WW>	Description
[01 . . 53]	Week of production

Table 8. Week codes

<LL>	Description
[AA . . ZZ]	Wafer production lot identifier

Table 9. Lot codes

<CC>	Description
R7	7" Reel
R	13" Reel

Table 10. Container codes

Product options

The nRF9160 SiP ordering codes and minimum ordering quantity are described in the following table.

Order code	Minimum ordering quantity (MOQ)	Comment
nRF9160-SICA-BIA-R	2500	LTE-M/NB-IoT/GPS product
nRF9160-SICA-BIA-R7	100	LTE-M/NB-IoT/GPS product
nRF9160-SIAA-BIA-R	2500	LTE-M only product
nRF9160-SIAA-BIA-R7	100	LTE-M only product

Table 11. nRF9160 order codes

Order code	Description
nRF9160-DK	nRF9160 Development Kit
nRF6943	Nordic Thingy:91

Table 12. Development tools order code