

# 16/32-Bit

Architecture

**XC2232N, XC2234N,  
XC2236N, XC2238N**

16/32-Bit Single-Chip Microcontroller with  
32-Bit Performance

XC2000 Family Derivatives / Value Line

Addendum to Data Sheet V2.0

V1.0 2011-03

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**XC223xN**

**Revision History: V1.0, 2011-03**

Previous Version(s):

None

Page	Subjects (major changes since last revisions)

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**16/32-Bit Single-Chip Microcontroller with 32-Bit Performance  
XC223xN (XC2000 Family)**

## **1 Additional Information**

Orders of the various product types described in the Data Sheet can be fulfilled with an alternate marking version (additional basic device type).

Additional information can be obtained from the corresponding Info Note 064/10.

This addendum defines the marking version that can be shipped in response to orders of the original devices listed in the referenced standard Data Sheet for the XC223xN:

### **1.1 Additional Basic Device Type**

This table defines the additional basic device type.

This basic device type provides all features of the respective covered product types as listed in [Table 2](#).

**Table 1 Additional XC223xN Basic Device Type**

<b>Derivative</b>	<b>Flash Memory<sup>1)</sup></b>	<b>PSRAM DSRAM<sup>2)</sup></b>	<b>Capt./Comp. Modules</b>	<b>ADC<sup>3)</sup> Chan.</b>	<b>Interfaces<sup>3)</sup></b>
SAK-XC2030N-40F80L	320 Kbytes Flash	16 Kbytes 16 Kbytes	CC2 CCU60/1	7 + 2	3 CAN Nodes, 6 Serial Chan.

1) Specific information about the on-chip Flash memory in the referenced Data Sheet.

2) All derivatives additionally provide 8 Kbytes SBRAM and 2 Kbytes DPRAM.

3) Specific information about the available channels in the referenced Data Sheet.

Analog input channels are listed for each Analog/Digital Converter module separately (ADC0 + ADC1).

## 1.2 Product Type Reference

All orders of product types described in the referenced Data Sheet can be fulfilled with devices with this marking:

**SAK-XC2030N-40F80L.**

For easy reference these product types are listed in the table below.

**Table 2 Covered Product Types**

<b>Derivative</b>	<b>Device Type</b>
XC2236N-24F40L	Basic
XC2236N-40F80L	Basic
XC2238N-40F80L	Basic
XC2232N-40FxL	Special
XC2232N-24FxL	Special
XC2232N-8FxL	Special
XC2234N-40FxL	Special
XC2234N-24FxL	Special
XC2234N-16FxL	Special
XC2236N-40FxL	Special
XC2236N-24FxL	Special
XC2236N-16FxL	Special

*Note: You may continue to order your known product type(s).*

*The replacement will be done automatically during the delivery process.*

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