

SN820x Product Consolidation Announcement

From: Murata Americas RF PD

Product: SN8200, SN8200UFL Wi-Fi Network Controller Module

Effective Date: November 28th, 2014

Product Migration Announcement

Effective immediately, the SN8200 and the SN8200UFL Wi-Fi Network Controller Module are being discontinued. The SN8205 and the SN8205UFL are the footprint compatible replacements.

Part Series Affected

Model	Part Number	Description
SN8200	88-00151-00	On-board antenna version
SN8200UFL	88-00151-02	U.FL connector version
SN8200EVK	88-00151-85	SN8200 Development Kit, old version
SN8200EVK+	88-00151-95	SN8200 Development Kit
SN8200UFL EVK+	88-00151-97	SN8200UFL Development Kit

Background /Reasons

Murata's SN820x Wi-Fi Network Controller Module family includes two footprint compatible product series – the **SN8200 series** (SN8200 and SN8200UFL) and the **SN8205 series** (SN8205 and SN8205UFL). These two product series offer similar features except for the built-in MCU.

Early this year, Broadcom stopped supporting the STM32F103 platform which is used in the SN8200 series beginning with the WICED™ SDK 3.0 release due to its limited RAM and Flash size. The STM32F205 platform which is used in the SN8205 series remains supported.

Model #	P/N	Built-in STM	RAM Size	Flash Size
SN8200	88-00151-00	STM32F103	96KB	768KB
SN8200UFL	88-00151-02	STM32F103	96KB	768KB
SN8205	88-00158-00	STM32F205	128KB	1024KB
SN8205UFL	88-00158-02	STM32F205	128KB	1024KB

Substitute Recommendation

SN8205 and SN8205UFL Modules are recommended to substitute SN8200 and SN8200UFL.

	EOL item	Substitute item
Model	SN8200/SN8200UFL	SN8205/SN8205UFL
Part Number	88-00151-00/88-00151-02	88-00158-00/88-00158-02
Dimension	Same	
Footprint	Same	
Pin-out	Same	
Packaging	Same	
Internal RF design	Same	
FCC/IC, Brazil Anatel Certificate	Same	
ETSI Test	Same	

The SN8205 series shares the same RF design with the SN8200 series, and therefore shares the same FCC, IC and Brazil Anatel certification ID. Both the SN8200 series and the SN8205 series have passed the ETSI EN 300 328 test. There is no need to re-do the FCC and IC certification tests when switching from the SN8200 to the SN8205 or from the SN8200UFL to the SN8205UFL.

Please see the details in the data sheets and module user manual on the Murata web page: <http://wireless.murata.com/eng/products/rf-modules-1/embedded-wi-fi-1/sn820x.html>

Murata SNIC-EWW software supports both the SN8200 and the SN8205 series and provides the same features and the same host interface API. There is no host software modification required when switching from SN8200 to SN8205.

For customers who have used the WICED™ SDK to develop custom firmware for the module, the SN8205 series patch files will need to be included instead of the SN8200 patch files when compiling the code to be loaded on the SN8205 series modules.

Please refer to Murata *SN8200 to SN8205 Migration Guideline Application Note* for details.

LAST-TIME-BUY (LTB). LTB purchase orders will be accepted until March 31st, 2015.

TERMS. All LTB orders are non-cancellable and non-returnable. The MOQ is 400pcs (full reel) and all shipments may be scheduled through September 30th, 2015.

MURATA AUTHORIZED DISTRIBUTORS. All LTB orders may be placed through MURATA qualified distribution partners: Arrow US, Arrow Europe, Avnet US, Digi-Key, EBV, Future Electronics, Mouser Electronics, etc.

Questions

Please contact Murata at modules@murata.com with any questions.