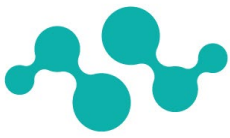


## AirLink<sup>®</sup> Technical Bulletin: Use of Nano-SIMs

### OVERVIEW

DATE ISSUED:	26-Mar-2024
ISSUED BY:	Sierra Wireless Product Management
PRODUCTS AFFECTED:	AirLink <sup>®</sup> Routers
FOR DISTRIBUTION TO:	AirLink <sup>®</sup> Customers
	<p>This technical bulletin details that Nano-SIM (4FF) cards, including those provided as “Triple Cut SIMs” may not be detected or may become undetectable in AirLink routers if a SIM adapter is utilized.</p> <p><b>SIM Specifications:</b> SIMs are interchangeably referred to by their SIM form-factor and SIM name:</p> <ul style="list-style-type: none"><li>• Mini-SIM = 2FF SIM</li><li>• Micro-SIM = 3FF SIM</li><li>• Nano-SIM = 4FF SIM</li></ul> <p>A Triple Cut SIM (T-Mobile example <a href="#">here</a>) includes a 4FF SIM and a series of punch-outs that adapt the 4FF SIM to the 2FF and 3FF sizes.</p> <p>The 2FF and 3FF SIM thickness specification is 0.68~0.84mm where 4FF SIMs have a thinner specification of 0.60~0.70mm. Triple Cut SIMs commonly have the thickness at the contact area of 0.68~0.70mm to comply with both specifications, but some Triple Cut SIMs have a recessed/thinner 4FF portion that does not comply with the 3FF/4FF specification.</p>



**AirLink SIM Specifications:**

The AirLink XR60 is compatible with 4FF SIM cards that meet the proper SIM specifications. However, all other AirLink routers require 2FF SIM cards, and using a 4FF SIM with a SIM adapter may result in inconsistent performance in these routers due to some SIM and SIM adapter manufacturers not strictly following the SIM specification tolerances.

It may be possible to resize a 2FF or 3FF SIM with the use of a SIM adapter, however, Semtech is not able to guarantee proper operation in this case. Semtech recommends the use of a 2FF SIM compliant with the 2FF SIM specification in AirLink routers designed for 2FF SIMs. The use of SIM adapters is not supported.

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**REVISION HISTORY**

26-Mar-2024

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