

**Difference in Specification of Softune Load
Module Converters (*F2MS, F2ES*) and Old Load
Module Converter (*LMC907A*)**

(F²MC-16 Family)

1. Preface

This document describes the difference in the specification of the Softune load module converters (**F2MS, F2ES**) and the old load module converter (**LMC907A**).

2. Difference in Command Lines

The difference in the command line specification at activation are given in **Tables 2-1** and **2-2**.

Table 2-1 Activation Format for Load Module Converter

F2MS,F2ES	LMC907A
f2ms [option]... [file name]	lmc907a file name [option]
	lmc907a @option file

Table 2-2 Option Specification for Load Module Converter

	F2MS,F2ES	LMC907A
Where to specify options	Any position	After file name
Specification of option file	-f option file	@ option file
Specification of two or more option files	Allowed	Not allowed

3. Environmental Variables

The difference in the environmental variables is given in **Table 3**.

Table 3 Environmental Variables

	F2MS,F2ES	LMC907A
Specification of working directory	TMP	TMP
Specification of installation path	FETOOL	
Specification of display character code	FELANG	
Specification of default option file store path	OPT	

4. Options

The difference in the options is given in **Table 4**.

Table 4 Load Module Converter Options

	F2MS,F2ES	LMC907A
Motorola S-format output	F2MS command	-FORM(-F) M
Intel HEX output	F2ES command	-FORM(-F) I
Change of output file name	-o file name	-OUTPUT(-O)
Change of output record length	The other tool (M2MS) is used.	-LENGTH(-L)
Error information file output allowed/suppressed		-[NO]ERRORPRINT (-[NO]RP)
Status code file output		-RETCODE(-RC)
Termination of option file	Not required	-END(E)
Help display	-help	
Default option file input suppression	-Xdof	
Activation message display/no display	-V / -XV	
Warning-time return value change allowed/suppressed	-cwno / -Xcwno	
Termination message display/no display	-cmsg / -Xcmsg	

5. Addition of Conversion Tools

The added Softune conversion tools are given in **Table 5**.

Table 5 Load Module Conversion Tool List

	Softune tool	Old 16-related tool
Absolute format load module → Motorola S-format	f2ms	lmc907a -FORM M
Absolute format load module → Intel extended HEX format	f2es	lmc907a -FORM I
Absolute format load module → Intel HEX format	f2is	
Motorola S-format → Intel HEX format	m2is	
Motorola S-format → Intel extended HEX format	m2es	
Motorola S-format → Motorola S-format(*)	m2ms	
Motorola S-format → Binary	m2bs	
Intel HEX format → Motorola S-format	i2ms	
Intel extended HEX format → Motorola S-format	e2ms	

*: The file is sorted in ascending order of addresses, and the length of output data is changed.