

Series Name
MeSIM®

Grade	Industrial		
Model	MeSIM-MLL41	MeSIM-MSH21	MeSIM-MSH61
Key Features	• GSMA SGP.22 v2.5	• GSMA SGP.32 v1.2	• GSMA SGP.32 v1.2 • PQC (Post-Quantum Cryptography)
User Space	300 KB (~ 6 profiles)	160 KB (~ 3 profiles)	1 MB (~ 20 profiles)
Operating System	eUP1.0	eUP1.0	eUP1.0
CPU	Arm 32-bit	Arm 32-bit	Arm v8-M
Flash	1 MB	800 KB	Up to 1.8 MB
RAM	48 KB	20 KB	48 KB/64 KB/96 KB
Operating Temp.	-40°C- +105°C	-40°C- +105°C	-40°C- +105°C
Erase/Write Cycles	Up to 10,000,000 times	Up to 10,000,000 times	Up to 10,000,000 times
Data Retention	Up to 10 years @25°C	Up to 10 years @25°C	Up to 15 years @25°C
Operating Current	Normal mode: < 10mA Idle mode: < 200uA @5.5V	Normal mode: < 10mA Idle mode: < 200uA @5.5V	Normal mode: < 10mA Idle mode: < 200uA @5.5V
Form Factor	MFF2	Plug-in SIM (2FF/3FF/4FF) MFF2	MFF2
MOQ	5,000	5,000	5,000
Price Tier	\$\$\$	\$	\$\$\$
Production Status	Mass Production	Customer Sample	Engineer Sample

Grade	Consumer	Automotive	
Model	MeSIM-CLL31	MeSIM-ASH41	MeSIM-ASH61
Key Features	• GSMA SGP.22 v2.5	• GSMA SGP.32 v1.2 • IP Ae option*coming soon • AEC Q100 Grade2	• GSMA SGP.32 v1.2 • AEC Q100 Grade2 • PQC (Post-Quantum Cryptography)
User Space	480 KB (~ 9 profiles)	300 KB (~ 6 profiles)	1 MB (~ 20 profiles)
Operating System	eUP1.0	eUP1.0	eUP1.0
CPU	Arm 32-bit	Arm 32-bit	Arm v8-M
Flash	1.25 MB	1 MB	1.8 MB
RAM	40 KB	48 KB	48 KB/64 KB/96 KB
Operating Temp.	-25°C- +85°C -40°C- +105°C(extended)	-40°C- +105°C	-40°C- +105°C
Erase/Write Cycles	Up to 500,000 times	Up to 10,000,000 times	Up to 10,000,000 times
Data Retention	Up to 10 years @25°C	Up to 17 years @25°C	Up to 20 years @25°C
Operating Current	Normal mode: < 10mA Idle mode: < 100uA @5.5V	Normal mode: < 10mA Idle mode: < 200uA @5.5V	Normal mode: < 10mA Idle mode: < 200uA @5.5V
Form Factor	Plug-in SIM (2FF/3FF/4FF) MFF2/MFF3	MFF2	MFF2
MOQ	5,000	5,000	5,000
Price Tier	\$\$	\$\$\$\$\$	\$\$\$\$\$
Production Status	Mass Production	Mass Production	Engineer Sample

Watchdata | MeSIM

Watchdata MeSIM[®] is an eSIM card series product designed for IoT service providers and device manufacturers. Fully compliant with GSMA eSIM specifications, it supports over 500 operators worldwide (source: GSMA 2026). Various models and specifications are available to meet diverse application, hardware, and cost requirements.

GSMA
Security Accreditation Scheme
Accredited Supplier



IMPORTANT NOTICE – READ CAREFULLY

The information contained in this technical manual is provided for reference purposes only and is subject to change without prior notice. While efforts are made to ensure accuracy, the content may not reflect the most current product specifications, features, or availability. For the latest information, please contact our sales or technical support team.

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