

# TERIDIAN Power Meter ICs and VOIP Modems



## POWER MEASUREMENT, METERING & CONTROL

RoHS Compliant This product is RoHS compliant.



### 78M6612/78M6618 Energy Measurement ICs

Teridian newest 2-outlet and 8-outlet energy management ICs include a 32-bit computer engine, an MPU core, Real-time clock, and up to 128kb of flash program memory. Teridian's patented Single Converter Technology® with a 22-bit delta-sigma ADC, 10 analog inputs, digital temperature compensation, and precision voltage reference supports a wide range of single phase PDU metering applications with very few external components.

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Teridian Part No.	Package Type	Description	Price Each		
				1	25	100
783-78M6612-IGT/F	78M6612-IGT/F	LQFP - 64	2-Outlet, Single Phase - Power and Energy Measurement/Monitoring SoC	3.61	3.42	2.89
783-78M6612-IM/F	78M6612-IM/F	QFN- 68	2-Outlet, Single Phase - Power and Energy Measurement/Monitoring SoC	3.61	3.42	2.89

### 78M6612/78M6618 Evaluation & Demo Kits

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Teridian Part No.	Description	Price Each		
			1	25	100
783-78M6612-EVM-1	78M6612-EVM-1	Evaluation Kit for 78M6612 Series	250.00		
783-78M6612DB/OMUUSB	78M6612-DB/OMU-USB	Demo Board for 78M6618 Series	281.25		

### 71M6515H Power Meter ICs

The 71M6515H is a high accuracy power meter IC suitable for four quadrant 3 phase applications. It utilizes Teridian's proprietary Single Converter Technology with a 21bit 2nd order sigma-delta A/D converter with six analog inputs, thermally compensated high precision reference and programmable compute engine resulting in exceptional performance. An internal RTC and battery backup reduce total BOM for Industrial or Commercial TOU meters.

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Teridian Part No.	Package Type	Description	Price Each		
				1	25	100
783-71M6515H-IGT/F	71M6515H-IGT/F	LQFP-64	Polyphase Meter IC for Industrial and Commercial Meters	7.98	7.08	5.39
783-71M6515H-DB	71M6515H-DB	-	Demo Board for the 71M6515H Series	340.00	-	-

### 71M6511/71M6513 Metering SoCs

The 71M6511 and 71M6513 are highly integrated SoCs with an MCU core, RTC, Flash, and LCD driver. Teridian's Single Converter Technology™ with a 21bit 2nd order delta-sigma ADC, 6 analog inputs, digital temperature compensation, precision voltage reference and 32 bit computation engine supports a wide range of polyphase metering applications with very few low cost external components. A 32kHz crystal time base for the entire system and internal battery backup support for RAM and RTC further reduce system cost.

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Teridian Part No.	Package Type	Description	Price Each		
				1	25	100
783-71M6513H-DB	71M6513H-DB	-	Demo Board for the 71M6513H Series	340.00	-	-
783-71M6511-IGT/F	71M6511-IGT/F	LQFP-64	Single-Phase Meter IC	4.60	4.08	3.09
783-71M6511H-IGT/F	71M6511H-IGT/F	LQFP-64	Highly Integrated SOC w/MCU CORE	5.07	4.50	3.40
783-71M6511-DB	71M6511-DB	-	Demo Board for the 71M6511 Series	272.00	-	-

### 71M6521 Metering SoCs

The new 71M6521 product family represents Teridian's second generation electricity metering technology for cost sensitive residential applications. This SoC device is footprint compatible with 71M6511, integrates AFE, MCU, RTC, FLASH and LCD driver but offers lower cost 8/16/32 KB FLASH options, more I/O, advanced power management and tamper detection. Teridian's patented Single Converter Technology™ with a 22bit 2nd order delta-sigma converter, 4 analog inputs, digital temperature compensation, voltage reference and flexible 32-bit computation engine meet all current and evolving metering requirements worldwide with minimal external components.

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Teridian Part No.	Package Type	Description	Price Each		
				1	25	100
783-71M6521DE-IGT/F	71M6521DE-IGT/F	LQFP	1 Phase Meter SoC 16K Flash Memory	3.50	3.11	2.36
783-71M6521FE-IGT/F	71M6521FE-IGT/F	LQFP	1 Phase Meter SoC 32K Flash Memory	4.00	3.55	2.69
783-71M6521FE-DB	71M6521FE-DB	-	Demo Board for the 71M6521FE Series	272.00	-	-

### V.22bis Single Chip Modems

The 73M2901CE low speed modem integrates a data pump, controller, and analog front end in a 3.3V device with a powerful "AT" command host interface. The modem reduces external component count/cost by incorporating many features like parallel phone detect, Line-In-Use and Ring detection in software without requiring additional components.

For quantities 500 and up, call for quote.

MOUSER STOCK NO.	Teridian Part No.	Package Type	Description	Price Each		
				1	25	100
783-73M2901CE-IGV/F	73M2901CE-IGV/F	TQFP-32	Single Chip Modem	6.65	5.91	4.47
783-73M2901CE-DB-US	73M2901CE-DB-US	-	Demo Board for the 73M2901CE Series (US)	246.50	-	-