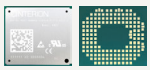
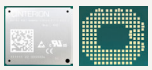
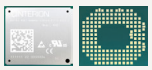
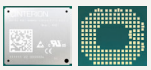
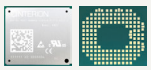
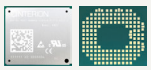
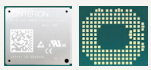
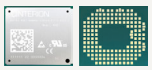
Product	PGS8	PDS5	PDS6/PDS8	PHS8	PCS3	PVS8	PXS8	PLS8
								
Radio Technology 2G-4G	GPRS	HSPA	HSPA	HSPA+	CDMA	CDMA	CDMA/HSPA+	LTE
Max. Data Rate DL/UL	Multislot Class 10 85.6/42.8 kbps (DL/UL)	7.2/5.7 Mbps (DL/UL)	7.2/5.7 Mbps (DL/UL)	14.4/5.7 Mbps (DL/UL)	153.6/153.6 kbps (DL/UL)	3.1/1.8 Mbps (DL/UL)	3.1/1.8 Mbps (DL/UL) 14.4/5.7 Mbps (DL/UL)	Cat 3 100/50 Mbps (DL/UL)
Regional Focus	Global	**PDS5-E** EMEA/APAC **PDS5-US** NORAM	**PDS6/8** Global **PDS6-J** Japan	**PHS8-P** Global **PHS8-J** Japan **PHS8-K** Korea **PHS8-E** EMEA/APAC **PHS8-US** NORAM	USA	USA	Global	**PLS8-E** EMEA **PLS8-US** NORAM **PLS8-J** Japan **PLS8-X** NORAM **PLS8-V** USA (Verizon)
Frequency Bands	2G Quad Band	**PDS5-E** 3G (8,1) 2G Dual Band **PDS5-US** 3G (5,2) 2G Dual Band	**PDS6/8** 3G (1,2,5,6,8) 2G Quad Band **PDS6-J** 3G (1,5,6,8,19)	**PHS8-P/-J/-K** 3G (1,2,4,5,6) 2G Quad Band **PHS8-E** 3G (8,1) 2G Dual Band **PHS8-US** 3G (5,2) 2G Dual Band	CDMA 1 x Rev. F BC0, BC1, BC10	CDMA2000 EV-DO Rev. A BC0, BC1, BC10	CDMA2000 EV-DO Rev. A BC0, BC1, BC10 3G (1,2,5,6,8) 2G Quad Band	**PLS8-E** LTE (20,8,3,1,7) 3G (8,3,1) 2G Dual Band **PLS8-US** LTE (17,5,4,2) 3G (5,4,2) 2G Quad Band **PLS8-J** LTE (1,3,19) 3G (1,19) **PLS8-X** LTE (13,17,5,4,2) 3G (5,4,2) 2G Quad Band **PLS8-V** LTE (13,4,2)
Dimensions/ Mounting	33 x 29 x 2.2 mm, LGA	33 x 29 x 2.4 mm, LGA	33 x 29 x 2.4 mm, LGA	33 x 29 x 2.0 mm, LGA	33 x 29 x 2.0 mm, LGA	33 x 29 x 2.0 mm, LGA	33 x 29 x 2.0 mm, LGA	33 x 29 x 2.3 mm, LGA
Temperature Range	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Features								
Gemalto Security	•	•	•	•	•	•	•	•
Embedded Processing		Java	Java					
Embedded IP Services	•	•	•	•	•	•	•	•
Voice Support	•	•	•	•	•	•	•	•
Location Based Services	GPS, GLONASS, Galileo		GPS (PDS8 only)	GPS, GLONASS		GPS, GLONASS	GPS, GLONASS	GPS, GLONASS, Galileo
Advanced Temperature Management	•	•	•	•	•	•	•	•
RLS-Monitoring (Jamming Detection)	•	•	•	•		•	•	•
Interfaces								
USB	-	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0	USB 2.0
Serial Interfaces	UART, I²C	UART, I²C, SPI	UART, I²C, SPI	UART	UART	UART	UART	UART
Audio	Digital (PCM), Analog	Digital (PCM)	Digital (PCM), Analog (PDS6 only)	Digital (I²S, PCM), Analog	Digital (PCM), Analog	Digital (I²S, PCM), Analog	Digital (I²S, PCM), Analog	Digital (I²S, PCM) (-X /-V data only)
ADC/DAC	•	•	•		•			•
Multiple GPIOs	•	•	•		•			•
Ethernet								

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Gemalto's broad portfolio of Cinterion M2M Modules and Terminals delivers reliable cellular communications for any network standard from 2G to LTE including latest Machine Type Communication. The products' rugged design, unparalleled engineering and highest quality manufacturing ensures reliability in the most demanding M2M IoT environments and over the long life of solutions.

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Industrial Plus M2M modules leverage the latest cellular standards to deliver high speed data and voice communications with multiband capabilities to ensure seamless coverage. They are available in local and global variants for 2G, 3G, CDMA, Multimode and LTE.

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Industrial

Industrial M2M products offer efficient communication from 2G to LTE Cat.1. Benefits include flexibility, backward and forward compatibility as network standards evolve and longevity to maximize your technology investment. Smart modules powered by Java® and Linux improve cost efficiency, design simplicity and increased flexibility over life cycle.

Terminals

Terminals work out of the box to quickly and easily add M2M IoT connectivity to smart enterprise applications. Available for various network standards and with the option of embedded Java, they offer a variety of standard interfaces, are fully type approved and therefore require very little integration effort.

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