



# INDUSTRIAL MODEM FACT SHEET

## Siretta ZETA Modems for Industrial IoT Applications

Using Industrial Modem solutions to connect your world.

The Siretta ZETA range is available in the following families:

- LTE Cat M1 / LTE Cat NB1 / GSM • LTE Cat 1 / UMTS / GSM
- LTE Cat 4 / UMTS / GSM

**All ZETA modems are available as “modems only”, or as part of a Starter Kit**



### ZETA-NLP-LTEM (GL)

LTE Cat NB1

Ultra Low Power

LTE Cat M1

RS232 & USB Serial

2G (GSM) Fallback

No I/O Header

The ZETA-NLP-LTEM (GL) is a cutting edge, extremely low power industrial modem that is suited to next generation, ultra low power applications.

### ZETA-NEP-LTEM (GL)

LTE Cat NB1

Low Power

LTE Cat M1

RS232 & USB Serial

2G (GSM) Fallback

10-way I/O header\*

The ZETA-NEP-LTEM (GL) is a low power modem with external general purpose interfaces, designed to connect to external equipment.

GL LTE Bands	Cat M1 / NB1	B1	B2	B3	B4	B5	B8	B12	B13	B18	B19	B20	B26	B28
MHz		2100	1900	1800	1700	850	900	700	700	850	850	800	850	700

GL GSM Bands	B5	B8	B3	B2
MHz	850	900	1800	1900

### ZETA-NLP-LTE1 (EU)

LTE Cat 1

Ultra Low Power

3G (UMTS) Fallback

RS232 & USB Serial

2G (GSM) Fallback

No I/O Header

The ZETA-NLP-LTE1 (EU) is an extremely low power industrial modem which offers up to 10 Mbps data download on LTE Cat1 European networks.

### ZETA-NSP-LTE1 (EU)

LTE Cat 1

Low Power

3G (UMTS) Fallback

RS232 & USB Serial

2G (GSM) Fallback

No I/O Header

The ZETA-NSP-LTE1 (EU) is a cutting edge, low power industrial modem which offers up to 10 Mbps data download on LTE Cat1 European networks.

### ZETA-NEP-LTE4 (EU)

LTE Cat 4

Low Power

3G (UMTS) Fallback

RS232 & USB Serial

2G (GSM) Fallback

10-way I/O Header\*

The ZETA-NEP-LTE4 (EU) is a cutting edge, low power modem with external general purpose interfaces which are designed to connect to external equipment and offering up to 150 Mbps on LTE Cat 4 European Networks.

### ZETA-GEP-LTE4 (EU)

LTE Cat 4

\*\*GNSS

3G (UMTS) Fallback

RS232 & USB Serial

2G (GSM) Fallback

10-way I/O Header\*

The ZETA-GEP-LTE4 (EU) is a cutting edge, low power industrial modem with external general purpose interfaces which are designed to connect to external equipment. It also incorporates a global GNSS receiver supporting; GPS, Glonass, BeiDou, QZSS and Galileo.

EU Bands	LTE	B1	B3	B7	B8	B20	B28A	UMTS	B1	B3	B8	GSM	B3	B8
MHz		2100	1800	2600	900	800	700		2100	1800	900		1800	900

\* 10-way I/O Header allows external connections & supports the following;  
x3 GPI (0-42 V), x2 GPO (up to 42 V@1 A)  
x1 ADC (0-42 V), x1 RS232 Debug, Vin

\*\* The GNSS receiver is highly sensitive offering better than -157 dBm sensitivity and supports GPS, Glonass, BeiDou, QZSS and Galileo.

All Siretta ZETA modems have been designed to operate in a low power state whilst connected to the LTE network, which is ideally suited to industrial IoT applications.