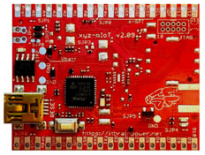
xyz-mIoT by itbrainpower.net specific features per model part number

PN – category	Description	Image	Usage
XYZMIOT209#BG96-UFL-xxxxxxx *Low Power LTE modem*	**MODEM** - Quectel BG96 - LTE CATM1 + NB IoT + EGPRS + *GNSS* 3GPP E-UTRA Release 13 Bands: FDD LTE - B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B26/B28 TDD LTE - B39 [CAT M1 only] GSM - 850/900/1800/1900 MHz Speeds: CAT M1 - up to Max 300Kbps (DL), Max. 375Kbps (UL) NB IoT - up to Max. 32Kbps (DL), Max. 70Kbps (UL) EDGE/GPRS - up to Max. 296Kbps (DL), Max. 236.8Kbps (UL) / Max. 107Kbps (DL), Max. 85.6Kbps (UL) GNSS: Galileo, GPS, GLONASS, BeiDou/Compass, QZSS equipped with u.FL connector - GSM, u.FL connector – GNSS **SENSORS** - by PN suffix coding (xxxxxxx) • XYZMIOT209#BG96-UFL-0000000 – no embedded sensors - *SKU: ITBP-4003* • XYZMIOT209#BG96-UFL-1100000 – HDC2010 and DRV5032 - *SKU: ITBP-4002* • XYZMIOT209#BG96-UFL-1100100 – CCS811, HDC2010 and DRV5032 - *SKU: ITBP-4001*		Global
XYZMIOT209#BG96-SMA-xxxxxxx *Low Power LTE*	Same as above, but with SMA F connector – GSM and u.FL connector – GNSS		Global
XYZMIOT209#BC95G-UFL-xxxxxxx *Low Power LTE modem*	**MODEM** - Quectel BC95G - NB IoT only Bands: LTE - B1/B3/B8/B5/B20/B28** Speeds: NB IoT Single Tone / Multi Tone** - Max. 25.2Kbps (DL), Max. 15.625 / 54 Kbps (UL) equipped with u.FL connector **SENSORS** - by PN suffix coding (xxxxxxx) • XYZMIOT209#BC95G-UFL-0000000 – no embedded sensors - *SKU: ITBP-4006* • XYZMIOT209#BC95G-UFL-1100000 – HDC2010 and DRV5032 - *SKU: ITBP-4005* • XYZMIOT209#BC95G-UFL-1100100 – CCS811, HDC2010 and DRV5032 - *SKU: ITBP-4004*		Global
XYZMIOT209#BC95G-SMA-xxxxxxx *Low Power LTE modem*	Same as above, but with SMA F connector		Global
XYZMIOT209#EG91E-UFL-xxxxxxx *LTE / 4G modem*	**MODEM** - Quectel EG91E - LTE / 4G LTE IoT/M2M-optimized CAT1 3GPP E-UTRA Release 11 Bands: FDD LTE - B1/B3/B7/B8/B20/B28A** WCDMA - B1/B5/B8 GSM - B1/B8 Speeds: LTE-FDD - up to Max 10Mbps (DL)/Max 10Mbps (UL) DC-HSDPA: - Max 42Mbps (DL); HSUPA: Max 5.76Mbps (UL); WCDMA: Max 384Kbps (DL)/Max 384Kbps (UL) EDGE/GPRS - up to Max. 296Kbps (DL), Max. 236.8Kbps (UL) / Max. 107Kbps (DL), Max. 85.6Kbps (UL) equipped with u.FL connector **SENSORS** - by PN suffix coding (xxxxxxx) • XYZMIOT209#EG91E-UFL-0000000 – no embedded sensors - *SKU: ITBP-4012*		Europe*
XYZMIOT209#EG91E-SMA-xxxxxxx *LTE / 4G modem*	Same as above, but with SMA F connector		Europe*
XYZMIOT209#M95FA-UFL-xxxxxxx *2G (GSM / GPRS) modem*	**MODEM** – Quectel M95FA - 2G [GSM / GPRS / EDGE] GSM - 850/900/1800/1900 MHz Speeds: EDGE/GPRS - up to Max. 296Kbps (DL), Max. 236.8Kbps (UL) / Max. 107Kbps (DL), Max. 85.6Kbps (UL) equipped with u.FL connector **SENSORS** - by PN suffix coding (xxxxxxx) • XYZMIOT209#M95FA-UFL-0000000 – no embedded sensors - *SKU: ITBP-4009* • XYZMIOT209#M95FA-UFL-1100000 – HDC2010 and DRV5032 - *SKU: ITBP-4008* • XYZMIOT209#M95FA-UFL-1100100 – CCS811, HDC2010 and DRV5032 - *SKU: ITBP-4007*		Global
XYZMIOT209#M95FA-SMA-xxxxxxx *2G (GSM / GPRS) modem*	Same as above, but with SMA F connector - GSM, u.FL connector – GNSS		Global
XYZMIOT209#NOMODEM-000-xxxxxxx *NO embedded modem*	**MODEM** – no embedded modem **SENSORS** - by PN suffix coding (xxxxxxx) • XYZMIOT209#NOMODEM-000-0000000 – no embedded sensors - *SKU: ITBP-5002* • XYZMIOT209# NOMODEM-000-1100000 – HDC2010 and DRV5032 - *SKU: ITBP-5001*		-