

| S1       | CPU                                  | GPU                                                              | Display | Video | Modem                                                        | Camera | GPS                      | DSP                  | USB                                  | WiFi                                           | Bluetooth                                                                  | Process |
|----------|--------------------------------------|------------------------------------------------------------------|---------|-------|--------------------------------------------------------------|--------|--------------------------|----------------------|--------------------------------------|------------------------------------------------|----------------------------------------------------------------------------|---------|
| QSD8650  | 1GHz Scorpion                        | Adreno 200                                                       | WXGA    | 720p  | CDMA/UMTS (HSPA, GSM/GPRS/EDGE, 1x Rev. A, 1xEV-DO Rev. A/B) | 12 MP  | gpsOne Gen 7             | Hexagon QDSP6 600MHz | USB 2.0 All Speed Peripheral or host | 802.11b/g/n<br>via add1 chip AR6003            | BT2.0/2.1<br>via add1 chip BTS4025                                         | 65nm    |
| QSD8250  | 1GHz Scorpion                        | Adreno 200                                                       | WXGA    | 720p  | UMTS (HSPA, GSM/GPRS/EDGE)                                   | 12 MP  | gpsOne Gen 7             | Hexagon QDSP6 600MHz | USB 2.0 All Speed Peripheral or host | 802.11b/g/n<br>via add1 chip AR6003            | BT2.0/2.1<br>via add1 chip BTS4025                                         | 65nm    |
| MSM7627  | 600 MHz ARM 11<br>800 MHz ARM 11 (T) | Adreno 200                                                       | FWVGA   | WVGA  | CDMA/UMTS (HSPA, GSM/GPRS/EDGE, 1x Rev. A, 1xEV-DO Rev. A)   | 8 MP   | gpsOne Gen 7             | Hexagon QDSP5 320MHz | USB 2.0 HS Peripheral or Host        | 802.11b/g/n<br>via add1 chip WCN1312           | BT2.0/2.1<br>via add1 chip BTS4025                                         | 65nm    |
| MSM7227  | 600 MHz ARM 11<br>800 MHz ARM 11 (T) | Adreno 200                                                       | FWVGA   | WVGA  | UMTS (HSPA, GSM/GPRS/EDGE)                                   | 8 MP   | gpsOne Gen 7             | Hexagon QDSP5 320MHz | USB 2.0 HS Peripheral or Host        | 802.11b/g/n<br>via add1 chip WCN1312           | BT2.0/2.1<br>via add1 chip BTS4025                                         | 65nm    |
| MSM7627A | 0.8-1.0 GHz Cortex A5                | Adreno 200                                                       | FWVGA   | FWVGA | CDMA/UMTS (HSPA, GSM/GPRS/EDGE, 1x Rev. A, 1xEV-DO Rev. A)   | 8 MP   | gpsOne Gen 7             | Hexagon QDSP5 350MHz | USB 2.0 HS Peripheral or Host        | 802.11b/g/n<br>via add1 chip AR6003/5, WCN1314 | BT4.0, FM Rx/TX, via add1 chip WCN2243                                     | 45nm    |
| MSM7227A | 0.8-1.0 GHz Cortex A5                | Adreno 200                                                       | FWVGA   | FWVGA | UMTS (HSPA, GSM/GPRS/EDGE)                                   | 8 MP   | gpsOne Gen 7             | Hexagon QDSP5 350MHz | USB 2.0 HS Peripheral or Host        | 802.11b/g/n<br>via add1 chip AR6003/5, WCN1314 | BT4.0, FM Rx/TX, via add1 chip WCN2243                                     | 45nm    |
| MSM7625  | 528 MHz ARM 11                       | Software rendered 2D support<br>BREW 2D<br>SVG Tiny 1.2 software | HVGA    | VGA   | CDMA/UMTS (HSPA, GSM/GPRS/EDGE, 1x Rev. A, 1xEV-DO Rev. A)   | 5 MP   | gpsOne Gen 7             | Hexagon QDSP5 320MHz | USB 2.0 HS Peripheral or Host        | 802.11b/g/n<br>via add1 chip WCN1314           | BT2.0/2.1<br>via add1 chip BTS4025                                         | 65nm    |
| MSM7225  | 528 MHz ARM 11                       | Software rendered 2D support<br>BREW 2D<br>SVG Tiny 1.2 software | HVGA    | VGA   | UMTS (HSPA, GSM/GPRS/EDGE)                                   | 5 MP   | gpsOne Gen 7             | Hexagon QDSP5 320MHz | USB 2.0 HS Peripheral or Host        | 802.11b/g/n<br>via add1 chip WCN1314           | BT2.0/2.1<br>via add1 chip BTS4025                                         | 65nm    |
| MSM7625A | 0.6-0.8 GHz Cortex A5                | Adreno 200                                                       | HVGA    | VGA   | CDMA/UMTS (HSPA, GSM/GPRS/EDGE, 1x Rev. A, 1xEV-DO Rev. A)   | 5 MP   | gpsOne Gen 7             | Hexagon QDSP5 350MHz | USB 2.0 HS Peripheral or Host        | 802.11b/g/n<br>via add1 chip AR6003/5, WCN1314 | BT4.0, FM Rx/TX, via add1 chip WCN2243                                     | 45nm    |
| MSM7225A | 0.6-0.8 GHz Cortex A5                | Adreno 200                                                       | HVGA    | VGA   | UMTS (HSPA, GSM/GPRS/EDGE)                                   | 5 MP   | gpsOne Gen 7             | Hexagon QDSP5 350MHz | USB 2.0 HS Peripheral or Host        | 802.11b/g/n<br>via add1 chip AR6003/5, WCN1314 | BT4.0, FM Rx/TX, via add1 chip WCN2243                                     | 45nm    |
| S2       | CPU                                  | GPU                                                              |         | Video | Modem                                                        | Camera | GPS                      | DSP                  | USB                                  | WiFi                                           | Bluetooth                                                                  | Process |
| MSM8655  | 1 - 1.4 GHz Scorpion                 | Adreno 205                                                       | XGA     | 720p  | CDMA/UMTS (HSPA+, GSM/GPRS/EDGE, 1x Adv., 1x EV-DO Rev. A/B) | 12 MP  | gpsOneGen 8 with GLONASS | Hexagon QDSP5 256MHz | USB 2.0 HS Peripheral or Host        | 802.11b/g/n<br>via add1 chip WCN1314           | BT4.0, FM Rx/TX, via add1 chip WCN2243 or BT3.0 + HS, FM Rx/Tx via QTR8x00 | 45nm    |
| MSM8255  | 1 - 1.4 GHz Scorpion                 | Adreno 205                                                       | XGA     | 720p  | UMTS (HSPA+, GSM/GPRS/EDGE)                                  | 12 MP  | gpsOneGen 8 with GLONASS | Hexagon QDSP5 256MHz | USB 2.0 HS Peripheral or Host        | 802.11b/g/n<br>via add1 chip WCN1314           | BT4.0, FM Rx/TX via add1 chip WCN2243 or BT3.0 + HS, FM Rx/Tx via QTR8x00  | 45nm    |
| APQ8055  | 1 - 1.4 GHz Scorpion                 | Adreno 205                                                       | XGA     | 720p  | No Modem                                                     | 12 MP  | gpsOneGen 8 with GLONASS | Hexagon QDSP5 256MHz | USB 2.0 HS Peripheral or Host        | 802.11b/g/n<br>via add1 chip WCN1314           | BT4.0, FM Rx/TX, via add1 chip WCN2243 or BT3.0 + HS, FM Rx/Tx via QTR8x00 | 45nm    |
| MSM7630  | 0.8 GHz Scorpion                     | Adreno 205                                                       | XGA     | 720p  | CDMA/UMTS (HSPA+, GSM/GPRS/EDGE, 1x Adv., 1x EV-DO Rev. A/B) | 12 MP  | gpsOneGen 8 with GLONASS | Hexagon QDSP5 256MHz | USB 2.0 HS Peripheral or Host        | 802.11b/g/n<br>via add1 chip WCN1314           | BT4.0, FM Rx/TX, via add1 chip WCN2243 or BT3.0 + HS, FM Rx/Tx via QTR8x00 | 45nm    |
| MSM7230  | 0.8 GHz Scorpion                     | Adreno 205                                                       | XGA     | 720p  | UMTS (HSPA+, GSM/GPRS/EDGE)                                  | 12 MP  | gpsOneGen 8 with GLONASS | Hexagon QDSP5 256MHz | USB 2.0 HS Peripheral or Host        | 802.11b/g/n<br>via add1 chip WCN1314           | BT4.0, FM Rx/TX, via add1 chip WCN2243 or BT3.0 + HS, FM Rx/Tx via QTR8x00 | 45nm    |
| S3       | CPU                                  | GPU                                                              |         | Video | Modem                                                        | Camera | GPS                      | DSP                  | USB                                  | WiFi                                           | Bluetooth                                                                  | Process |
| MSM8660  | 1.2-1.7 GHz dual Scorpion            | Adreno 220                                                       | WXGA+   | 1080p | CDMA/UMTS (HSPA+, GSM/GPRS/EDGE, 1x Adv., 1x EV-DO Rev. A/B) | 16 MP  | gpsOneGen 8 with GLONASS | Hexagon QDSP6 400MHz | USB 2.0 High Speed OTG (480Mbps)     | 802.11b/g/n<br>via add1 chip WCN1314           | BT4.0, FM Rx/TX via add1 chip WCN2243                                      | 45nm    |
| MSM8260  | 1.2-1.7 GHz dual Scorpion            | Adreno 220                                                       | WXGA+   | 1080p | UMTS (HSPA+, GSM/GPRS/EDGE)                                  | 16 MP  | gpsOneGen 8 with GLONASS | Hexagon QDSP6 400MHz | USB 2.0 High Speed OTG (480Mbps)     | 802.11b/g/n<br>via add1 chip WCN1314           | BT4.0, FM Rx/TX via add1 chip WCN2243                                      | 45nm    |
| APQ8060  | 1.2-1.7 GHz dual Scorpion            | Adreno 220                                                       | WXGA+   | 1080p | No Modem                                                     | 16 MP  | gpsOneGen 8 with GLONASS | Hexagon QDSP6 400MHz | USB 2.0 High Speed OTG (480Mbps)     | 802.11b/g/n<br>via add1 chip WCN1314           | BT4.0, FM Rx/TX via add1 chip WCN2243                                      | 45nm    |



| S4 Prime | CPU                           | GPU        |       | Video | Modem                                                                                                              | Camera  | GPS                       | DSP                  | USB                              | WiFi                                 | Bluetooth/FM                       | Process |
|----------|-------------------------------|------------|-------|-------|--------------------------------------------------------------------------------------------------------------------|---------|---------------------------|----------------------|----------------------------------|--------------------------------------|------------------------------------|---------|
| MPQ8064  | 1.5 GHz Quad Krait            | Adreno 320 | FHD   | 1080p | No Modem                                                                                                           | 20 MP   | NA                        | Hexagon QDSP6 500MHz | USB 2.0 High Speed OTG (480Mbps) | 802.11a/b/g/n* via add'l chip AR9374 | BT 4.0 via WCN2243                 | 28nm    |
| S4 Pro   | CPU                           | GPU        |       | Video | Modem                                                                                                              | Camera  | GPS                       | DSP                  | USB                              | WiFi                                 | Bluetooth/FM                       | Process |
| MSM8960T | 1.5 - 1.7 GHz Dual Krait      | Adreno 320 | WUXGA | 1080p | World Mode (LTE FDD/TDD CAT 3, SVLTE-DB, TD-SCDMA, Rel9 DC-HSPA+, GSM/GPRS/EDGE, EGAL, 1x Adv., 1x EV-DO Rev. A/B) | 20 MP   | gpsOneGen 8A with GLONASS | Hexagon QDSP6 500MHz | USB 2.0 High Speed OTG (480Mbps) | 802.11a/b/g/n*                       | BT 3.x + HS<br>BT 4.0/LE FM Rx/Tx* | 28nm    |
| APQ8064  | 1.5 - 1.7 GHz Quad Krait      | Adreno 320 | QXGA  | 1080p | No Modem                                                                                                           | 20 MP   | gpsOneGen 8A with GLONASS | Hexagon QDSP6 500MHz | USB 2.0 High Speed OTG (480Mbps) | 802.11a/b/g/n*                       | BT 3.x + HS<br>BT 4.0/LE FM Rx/Tx* | 28nm    |
| S4 Plus  | CPU                           | GPU        |       | Video | Modem                                                                                                              | Camera  | GPS                       | DSP                  | USB                              | WiFi                                 | Bluetooth/FM                       | Process |
| MSM8960  | 1.5 - 1.7 GHz Dual Krait      | Adreno 225 | WUXGA | 1080p | World Mode (LTE FDD/TDD CAT 3, SVLTE-DB, TD-SCDMA, Rel9 DC-HSPA+, GSM/GPRS/EDGE, EGAL, 1x Adv., 1x EV-DO Rev. A/B) | 20 MP   | gpsOneGen 8A with GLONASS | Hexagon QDSP6 500MHz | USB 2.0 High Speed OTG (480Mbps) | 802.11a/b/g/n*                       | BT 3.x + HS<br>BT 4.0/LE FM Rx/Tx* | 28nm    |
| MSM8660A | 1.5 - 1.7 GHz Dual Krait      | Adreno 225 | WUXGA | 1080p | CMDA/UMTS (21 HSPA+, 1x Adv./DOr0/A/B, SVDO-DB)                                                                    | 20 MP   | gpsOneGen 8A with GLONASS | Hexagon QDSP6 500MHz | USB 2.0 High Speed OTG (480Mbps) | 802.11a/b/g/n*                       | BT 3.x + HS<br>BT 4.0/LE FM Rx/Tx* | 28nm    |
| MSM8260A | 1.5 - 1.7 GHz Dual Krait      | Adreno 225 | WUXGA | 1080p | UMTS (DC-HSPA+, TD-SCDMA)                                                                                          | 20 MP   | gpsOneGen 8A with GLONASS | Hexagon QDSP6 500MHz | USB 2.0 High Speed OTG (480Mbps) | 802.11a/b/g/n*                       | BT 3.x + HS<br>BT 4.0/LE FM Rx/Tx* | 28nm    |
| APQ8060A | 1.5 - 1.7 GHz Dual Krait      | Adreno 225 | WUXGA | 1080p | No Modem                                                                                                           | 20 MP   | gpsOneGen 8A with GLONASS | Hexagon QDSP6 500MHz | USB 2.0 High Speed OTG (480Mbps) | 802.11a/b/g/n*                       | BT 3.x + HS<br>BT 4.0/LE FM Rx/Tx* | 28nm    |
| MSM8930  | 1.2 GHz Dual Krait            | Adreno 305 | QHD   | 1080p | World Mode (LTE FDD/TDD CAT 3, SVLTE-DB, TD-SCDMA, Rel9 DC-HSPA+, GSM/GPRS/EDGE, EGAL, 1x Adv., 1x EV-DO Rev. A/B) | 20 MP   | gpsOneGen 8A with GLONASS | Hexagon QDSP6 500MHz | USB 2.0 HS Peripheral or Host    | 802.11a/b/g/n*                       | BT 3.x + HS<br>BT 4.0/LE FM Rx/Tx* | 28nm    |
| MSM8630  | 1.2 GHz Dual Krait            | Adreno 305 | QHD   | 1080p | CDMA/UMTS (21 HSPA+, 1x Adv./DOr0/A/B, SVDO-DB)                                                                    | 20 MP   | gpsOneGen 8A with GLONASS | Hexagon QDSP6 500MHz | USB 2.0 HS Peripheral or Host    | 802.11a/b/g/n*                       | BT 3.x + HS<br>BT 4.0/LE FM Rx/Tx* | 28nm    |
| MSM8230  | 1.2 GHz Dual Krait            | Adreno 305 | QHD   | 1080p | UMTS (DC-HSPA+, TD-SCDMA)                                                                                          | 20 MP   | gpsOneGen 8A with GLONASS | Hexagon QDSP6 500MHz | USB 2.0 HS Peripheral or Host    | 802.11a/b/g/n*                       | BT 3.x + HS<br>BT 4.0/LE FM Rx/Tx* | 28nm    |
| APQ8030  | 1.2 GHz Dual Krait            | Adreno 305 | QHD   | 1080p | No Modem                                                                                                           | 20 MP   | gpsOneGen 8A with GLONASS | Hexagon QDSP6 500MHz | USB 2.0 HS Peripheral or Host    | 802.11a/b/g/n*                       | BT 3.x + HS<br>BT 4.0/LE FM Rx/Tx* | 28nm    |
| MSM8627  | 1 GHz Dual Krait              | Adreno 305 | FWVGA | 720p  | CDMA/UMTS (21 HSPA+, 1x Adv./DOr0/A/B, SVDO-DB)                                                                    | 13.5 MP | gpsOneGen 8A with GLONASS | Hexagon QDSP6 500MHz | USB 2.0 HS Peripheral or Host    | 802.11a/b/g/n*                       | BT 3.x + HS<br>BT 4.0/LE FM Rx/Tx* | 28nm    |
| MSM8227  | 1 GHz Dual Krait              | Adreno 305 | FWVGA | 720p  | UMTS (DC-HSPA+, TD-SCDMA)                                                                                          | 13.5 MP | gpsOneGen 8A with GLONASS | Hexagon QDSP6 500MHz | USB 2.0 HS Peripheral or Host    | 802.11a/b/g/n*                       | BT 3.x + HS<br>BT 4.0/LE FM Rx/Tx* | 28nm    |
| S4 Play  | CPU                           | GPU        |       | Video | Modem                                                                                                              | Camera  | GPS                       | DSP                  | USB                              | WiFi                                 | Bluetooth/FM                       | Process |
| MSM8625  | 1 -1.2 GHz Dual ARM Cortex A5 | Adreno 203 | FWVGA | FWVGA | CDMA/UMTS (HSPA, GSM/GPRS/EDGE, 1x Rev. A, 1xEV-DO Rev. A/B)                                                       | 8 MP    | gpsOne Gen 7              | Hexagon QDSP5 350MHz | USB 2.0 HS Peripheral or Host    | 802.11a/b/g/n via add'l chip AR6005  | BT 3.x via add'l chip WCN2243      | 45nm    |
| MSM8225  | 1 -1.2 GHz Dual ARM Cortex A5 | Adreno 203 | FWVGA | FWVGA | UMTS (HSPA, GSM/GPRS/EDGE)                                                                                         | 8 MP    | gpsOne Gen 7              | Hexagon QDSP5 350MHz | USB 2.0 HS Peripheral or Host    | 802.11a/b/g/n via add'l chip AR6005  | BT 3.x via add'l chip WCN2243      | 45nm    |
| MSM8625Q | 1 -1.2 GHz Quad ARM Cortex A5 | Adreno 203 | FWVGA | FWVGA | CDMA/UMTS (HSPA, GSM/GPRS/EDGE, 1x Rev. A, 1xEV-DO Rev. A/B)                                                       | 8 MP    | gpsOne Gen 7              | Hexagon QDSP5 350MHz | USB 2.0 HS Peripheral or Host    | 802.11a/b/g/n via add'l chip AR6005  | BT 3.x via add'l chip WCN2243      | 45nm    |
| MSM8225Q | 1 -1.2 GHz Quad ARM Cortex A5 | Adreno 203 | FWVGA | FWVGA | UMTS (HSPA, GSM/GPRS/EDGE)                                                                                         | 8 MP    | gpsOne Gen 7              | Hexagon QDSP5 350MHz | USB 2.0 HS Peripheral or Host    | 802.11a/b/g/n via add'l chip AR6005  | BT 3.x via add'l chip WCN2243      | 45nm    |

\*-Digital integrated in SoC, Analog added via WCN3660/80