Xperia X and Xperia X Performance Product Awareness

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Key Hardware Features – Xperia X

SONY

NETWORK(S)
LTE (4G) Cat4 / LTE (4G) Cat 6
UMTS HSPA+ (3G)
GSM GPRS/EDGE (2G)

DISPLAY
5" Full HD 1080p
Curved Display, Scratch-resistant

CAMERA
Main Camera: 1/2.3" 23MP Exmor RS
with Predictive Hybrid Auto Focus
Front Camera: 1/3" 13MP Exmor RS
with Low light mode

AUDIO
Clear audio+

BATTERY
2620mAh
Quick Charging (2-3A)

SIZE
143 x 69 x 7.7mm

WEIGHT
152g

PROCESSOR
Qualcomm Snapdragon 650 MSM8956
Hexa Core 64-bit (1.8 GHz/1.4 GHz)

MEMORY
3GB RAM, 32GB eMMC
micro SD card slot up to 200GB

DURABILITY
No IP Certification

CONNECTIVITY
Wi-Fi 11a/b/g/n/ac, NFC,
USB Type B micro, Bluetooth 4.2,
DLNA, USB Host

Key Hardware Features – Xperia X Performance

NETWORK(S)
LTE (4G) Cat4 / LTE (4G) Cat 9
UMTS HSPA+ (3G)
GSM GPRS/EDGE (2G)

DISPLAY
5" Full HD 1080p
Curved Display, Scratch-resistant

CAMERA
Main Camera: 1/2.3" 23MP Exmor RS
with Predictive Hybrid Auto Focus
Front Camera: 1/3" 13MP Exmor RS
with Low light mode

AUDIO
Clear audio+

BATTERY
2700mAh
Quick Charging (2-3A)

SIZE
144 x 71 x 8.6 mm

WEIGHT
165g

PROCESSOR
Qualcomm Snapdragon 820 MSM8996
Quad Core 64-bit (2.2 GHz / 1.6 GHz)

MEMORY
3GB RAM, 32GB eMMC
micro SD card slot up to 200GB

DURABILITY
IP 65/68**

CONNECTIVITY
Wi-Fi 11a/b/g/n/ac MIMO, NFC,
USB Type B micro, Bluetooth 4.2,
DLNA, USB Host

**This service is not available in all variants or markets.

Key Hardware Features – Comparison

	XPERIA X (F5121)	XPERIA X Performance (F8131)	XPERIA Z5 (E6603/E6653)
Dimensions	143 x 69 x 7.7mm	144 x 71 x 8.6 mm	146 x 72 x 7.3 mm
Weight	152 grams	164.4 grams	154 grams
Display colors	16,777,216 color TFT	16,777,216 color TFT	16,777,216 color TFT
Display size	5 inches	5 inches	5.2 inches
Display resolution	1920x1080 pixels	1920x1080 pixels	1920x1080 pixels
Display features	Full HD, Super-vivid mode, TRILUMINOS™ Display for mobile, X-Reality™ for mobile, Dynamic Contrast Enhancement	Full HD, Super-vivid mode, TRILUMINOS™ Display for mobile, X-Reality™ for mobile, Dynamic Contrast Enhancement	Full HD TRILUMINOS™ display with X-Reality for mobile, IPS, Chemical tempered glass + Anti-fingerprint coating
Device Memory / Memory Card	Up to 32 GB flash memory	Up to 32 GB flash memory	Up to 32 GB flash memory
Compatible Memory Card	microSD/microSDHC/microSDXC up to 200GB	microSD/microSDHC/microSDXC up to 200GB	microSD/microSDHC/microSDXC up to 200GB
RAM Memory	3 GB	3 GB	3 GB
Processor/GPU	Qualcomm® Snapdragon 650 1.8 GHz / 1.4 GHz MSM8956 Hexa Core 64-bit / Adreno 510	Qualcomm® Snapdragon 820 2.2 GHz / 1.6 GHz MSM8996 Quad Core 64-bit / Adreno 530	Qualcomm® Snapdragon 810 2 GHz / 1.5 GHz MSM8994 Octa Core 64-bit CPU / Adreno 430
Camera / Video	23MP / Full HD 1080p - 13MP / Full HD 1080p	23MP / Full HD 1080p - 13MP / Full HD 1080p	23 MP / 4K, Front facing camera 5.1 MP/1080p
Tethering / Hotspot	Yes - Tethering, Hotspot	Yes - Tethering, Hotspot	Yes - Tethering, Hotspot
Connectivity	DLNA Certified®, NFC, WiFi Miracast, USB Host, MirrorLink	DLNA Certified®, NFC, WiFi Miracast, USB Host, MirrorLink	DLNA Certified®, MHL 3.0 support + 5-pin support, NFC, USB Host, Screen Mirroring, ANT+
Positioning	Yes - A-GNSS (GPS + GLONASS), BeiDu	Yes - A-GNSS (GPS + GLONASS), BeiDu	Yes - A-GNSS (GPS + GLONASS), BeiDu
Dust / Water Resistance	No	IP65 and IP68	IP65 and IP68
SIM	Nano SIM	Nano SIM	Nano SIM
Battery	Embedded Battery 2620 mAh minimum	Embedded Battery 2700 mAh minimum	Embedded Battery 2900 mAh minimum
Flash/Video Light	Yes - LED	Yes - LED	Yes - LED

Different Versions

Xperia X	
F5121 (SS) / F5122 (DS)	GSM GPRS/EDGE: 850, 900, 1800, 1900 MHz UMTS HSPA+: 800 (Band VI), 800 (Band XIX), 850 (Band V),900 (Band VIII), 1700 (Band IV), 1900 (Band II), 2100 (Band I) MHz LTE: Bands 1, 2, 3, 4, 5, 7, 8, 12, 17, 19, 20, 26, 28, 38, 39, 40, 41

Xperia X Performance	
F8131 (SS) / F8132 (DS)	GSM GPRS/EDGE: 850, 900, 1800, 1900 MHz UMTS HSPA+: 800 (Band VI), 800 (Band XIX), 850 (Band V), 900 (Band VIII), 1700 (Band IV), 1900 (Band II), 2100 (Band I) MHz LTE: Bands 1, 2, 3, 4, 5, 7, 8,12,13,17,19, 20, 26, 28, 29, 38, 39, 40, 41

Camera – Main Camera

The Xperia X and Xperia X Performance feature a 1/2.3'' 23MP main camera, with Predictive Hybrid Autofocus. The Predictive Hybrid AF is based on Sony "α" Cameras technology, to further improve the accuracy and capture sharp images even when the subject is in motion or moving in any direction.

- Exmor RS for mobile sensor
- Hybrid Predictive Autofocus
- 24mm Wide Angle G Lens F2.0
- Quick Launch
- HDR
- Full HD Video recording (1080p @60fps)
- 5x Clear Image Zoom
- SteadyShot with Intelligent Active Mode
- Low-light photography: ISO 12800/3200

Camera – Front Facing Camera

Both Xperia X and Xperia X Performance feature a 1/3″ 13MP front camera with Auto-Focus to get clear, sharp shots even in low light. The front facing camera is capable of recording video in Full HD (1080p) quality.

- Exmor RS for mobile sensor
- 22mm wide-angle lens, F2.0
- Quick launch < 0.03 sec
- HDR
- Full HD 1080p Video Recording
- Low-light scene recognition: ISO 6400

Display & Design

Xperia X and Xperia Performance are equipped with a 5" Gorilla glass, curved (2.5D), Full HD display with Dynamic Contrast Enhancement. 2.5D refers to a slight curvature at the edge of the glass display.

2D glass   2.5D   3D glass

Fingerprint Sensor

The Xperia X and Xperia X Performance feature a fingerprint sensor[1] that is placed on the side of the phone, so you can pick up and securely unlock your phone in a single movement.

[1]This feature will not be available in the US market.

NEW! STAMINA mode

Xperia X and Xperia X Performance feature our all new STAMINA mode! When STAMINA mode is activated, Background Data, GPS, Vibration, Image Enhancement, Rendering Performance etc. are restricted to reduce battery consumption.
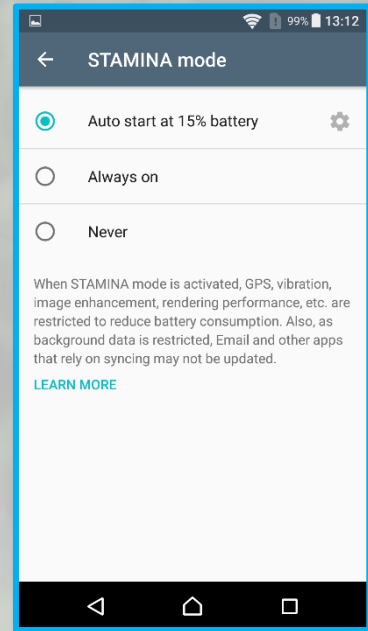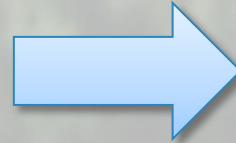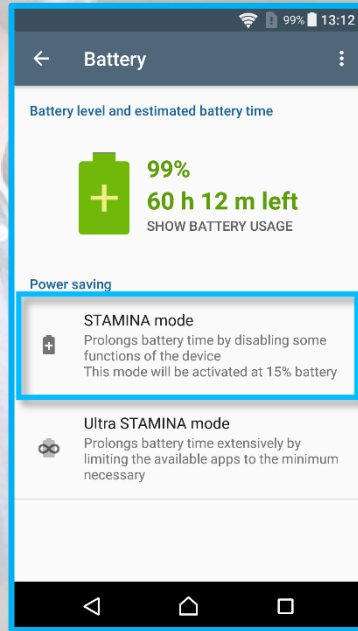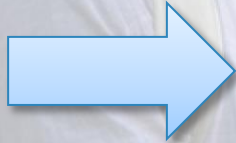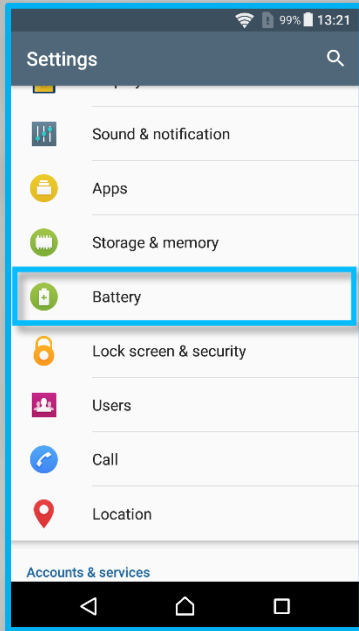
SIM & SD Card

Both Xperia X and Xperia X Performance will be available in Single SIM and Dual SIM variants. All variants feature nano SIM card/s and a similar SIM tray which is attached to the cap. While the Single SIM variants will be equipped with 32GB of Flash memory, the Dual SIM variants will come with 64GB of Flash memory. This reflects on the SIM/SD card tray as seen below.

In the Single SIM variants, each card has a dedicated position on the tray.

In the Dual SIM variants, the tray allows you to use either a memory card, or a second SIM card.
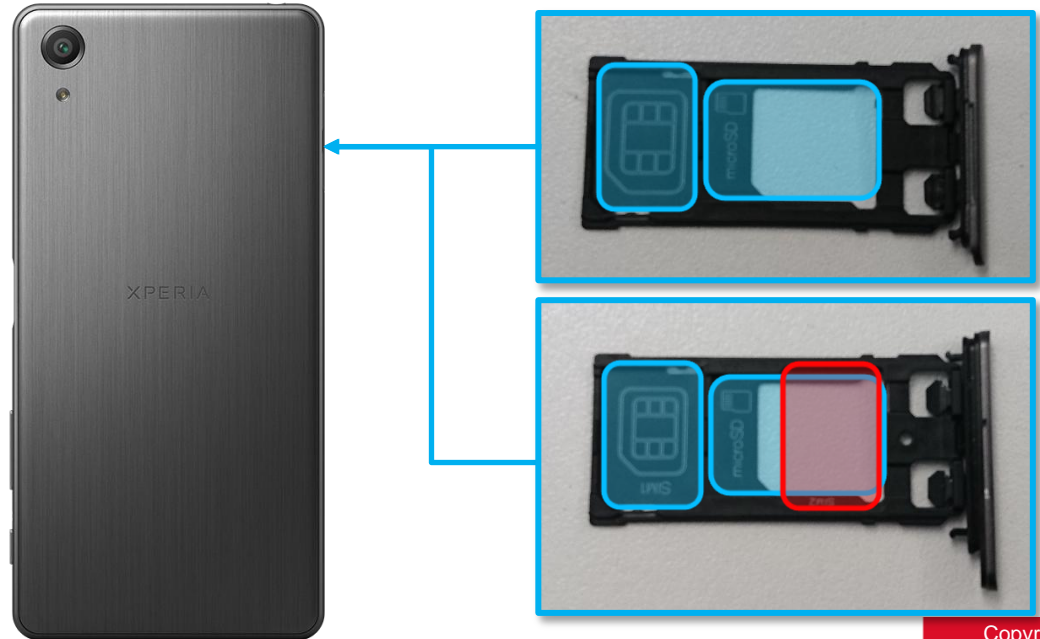
Force Restart / Shutdown

None of the two features an OFF button. If during troubleshooting you need to Force Restart/Shutdown either of the devices, that can be performed only by pressing simultaneously the Power Button and the Volume Up key.

- A Force Restart is performed if you press and hold both for 10 secs
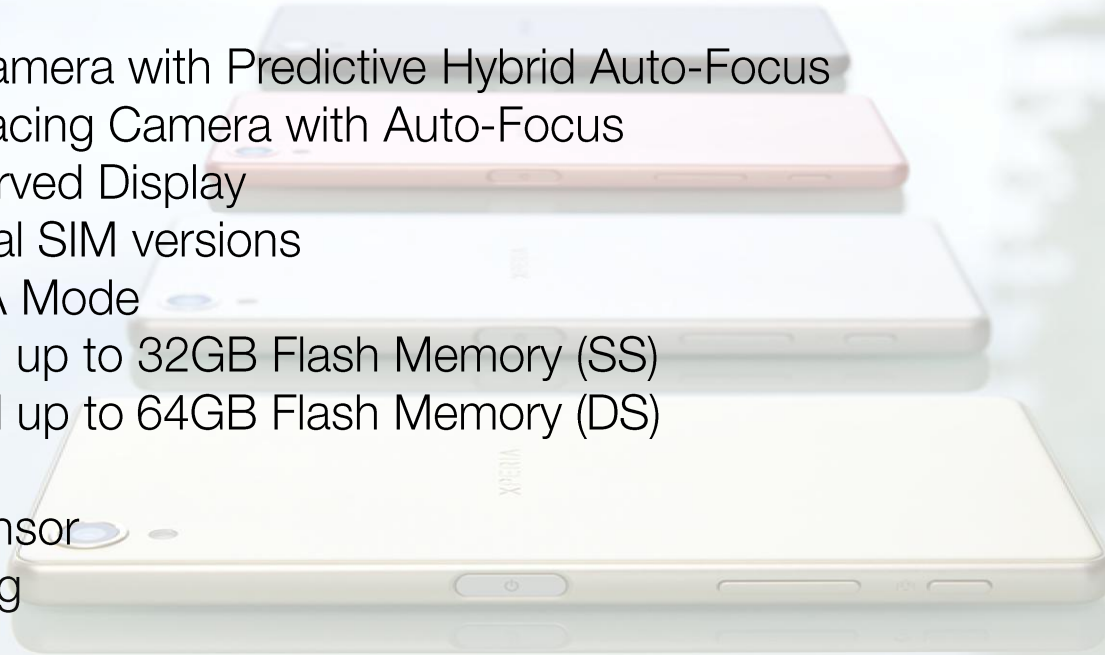- A Force Shutdown is performed if you press and hold both for 15 secs

Product Label

The product label, that includes information such as the IMEI number, is located together with the microSD™ and nano SIM tray in both Single and Dual SIM variants of the model.

Recap

- 23MP Main Camera with Predictive Hybrid Auto-Focus
- 13MP Front Facing Camera with Auto-Focus
- 5" Full HD, Curved Display
- Single and Dual SIM versions
- New STAMINA Mode
- 3GB RAM and up to 32GB Flash Memory (SS)
- 3GB RAM and up to 64GB Flash Memory (DS)
- Quick launch
- Fingerprint Sensor
- Quick Charging

SONY