SAMSUNG

Samsung Galaxy Note10 SM-N970F 16 cm (6.3") Dual SIM Android 9.0 4G USB Type-C 8 GB 256 GB 3500 mAh Black

Brand : Samsung   **Product family:** Galaxy   **Product code:** SM-N970FZKDBTU

Product name : SM-N970F

- 6.3" FHD+
- Ultrasonic Fingerprint Scanner
- AKG Stereo Speakers
- Cellular 4G
- 256GB Memory

6.3", FHD+ (2280x1080) Dynamic AMOLED, 7nm 64-bit Octa-core processor(Max. 2.7 GHz + 2.4 GHz + 1.9 GHz), 8GB RAM, 256GB, 12+16+12MP/10MP, Wi-Fi 6, 3500mAh, IP68, Android 9 Pie

Samsung Galaxy Note10 SM-N970F. Display diagonal: 16 cm (6.3"), Display resolution: 2280 x 1080 pixels. Processor frequency: 2,7 GHz. RAM capacity: 8 GB, RAM type: LPDDR4X, Internal storage capacity: 256 GB. Rear camera resolution (numeric): 16 MP, Rear camera type: Triple camera. SIM card capability: Dual SIM. Operating system installed: Android 9.0. Battery capacity: 3500 mAh. Product colour: Black. Weight: 168 g

Display

Display diagonal *	16 cm (6.3")
Screen shape	Curved edge screen
Display technology marketing name	Dynamic AMOLED
Panel type	OLED
Display resolution *	2280 x 1080 pixels
Native aspect ratio	19:9
Touch technology	Multi-touch
High Dynamic Range (HDR) supported	✔
High Dynamic Range (HDR) technology	High Dynamic Range 10+ (HDR10 Plus)
Touchscreen type	Capacitive
Pixel density	401 ppi

Processor

Processor cores	8
Processor frequency *	2,7 GHz
64-bit computing	✔
Processor lithography	7 nm
Cores frequencies	2x 2.7GHz + 2x 2.4GHz + 4x 1.9GHz

Storage

RAM capacity *	8 GB
RAM type	LPDDR4X
Internal storage capacity *	256 GB

Messaging

Multimedia Messaging Service (MMS)	✔
Instant messaging (IM)	✔
Chat	✔
E-mail	✔
Text prediction system	✔

Navigation

Assisted GPS (A-GPS)	✔
GPS (satellite)	✔
GLONASS	✔
BeiDou	✔
Galileo	✔
Position location *	✔
Wi-Fi positioning	✔

Design

Form factor *	Bar
Product colour *	Black
Colour name	Aura Black
Protection features	Dust resistant, Waterproof

Performance

Fast charging	✔

Storage

USB mass storage	✔

Camera

Rear camera resolution (numeric) *	16 MP
Second rear camera resolution (numeric)	12 MP
Third rear camera resolution (numeric)	12 MP
Rear camera resolution	4032 x 3024 pixels
Rear camera aperture number	2,2
Third rear camera aperture number	2,1
Rear camera pixel size	1 µm
Second rear camera pixel size	1,4 µm
Third rear camera pixel size	1 µm
Rear camera field of view (FOV) angle	123°
Second rear camera field of view (FOV) angle	77°
Third rear camera field of view (FOV) angle	45°
Optical zoom	2x
Digital zoom	10x
Front camera type *	Single camera
Front camera resolution (numeric) *	10 MP
Front camera aperture number	2,2
Front camera pixel size	1,22 µm
Front camera field of view (FOV) angle	80°
Rear camera flash *	✔
Flash type	LED
Video capture resolution (max)	3840 x 2160 pixels
Maximum frame rate	960 fps
Resolution at capture speed	1920x1080@60fps, 3840x2160@60fps
Video recording modes	720p, 1080p, 2160p
Rear camera type *	Triple camera
Auto focus	✔
Zoom capability	✔
Video recording	✔
Video stabilizer	✔
Image stabilizer	✔
Geotagging	✔
Multi-shot	✔
Self-timer	✔
Night mode	✔

Network

SIM card capability *	Dual SIM
Mobile network generation *	4G
2G standards	Edge, GPRS, GSM
3G standards *	HSDPA, HSPA+, HSUPA, UMTS
4G standard *	LTE
Wi-Fi	✔
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Bluetooth *	✔
Bluetooth version	5.0
Tethering (modem-mode)	✔
Wi-Fi Direct	✔
MIMO	✔

Performance

Wireless charging	✔
Fingerprint reader	✔
Face recognition	✔
Personal info management (PIM)	Alarm clock, Calculator, Calendar
Speakerphone	✔
Flight mode	✔
Voice commands	✔
Personalization	Icons, Menu, Shortcuts
Support for contact groups	✔
Microphone mute	✔
Themes	Wallpapers
USB On-The-Go support	✔
Vibrating alert	✔

Multimedia

Speakers	stereo
Playback modes	Zoom
Audio system	Dolby Atmos
Speakers manufacturer	AKG
Audio formats supported	3GA, AAC, AMR, APE, AWB, DFF, DSF, FLAC, IMY, M4A, Mid, MIDI, MP3, MXMF, OGA, OGG, OTA, RTTTL, RTX, WAV, WMA, XMF
Video formats supported	3G2, 3GP, ASF, AVI, FLV, M4V, MKV, MP4, WEBM, WMV
Image formats supported	BMP, GIF, HEIF, JPEG, PNG, WBMP, WEBP

Call management

Call waiting	✔
Call divert	✔
Call hold	✔
Caller ID	✔
Conference call	✔
Speed dialing	✔
Call timer	✔

Pen

Pen included	✔
Pressure levels	4096
Accuracy pen	0,7 mm

Software

Platform *	Android
Operating system installed *	Android 9.0
App distribution platform	Google Play
Google applications	Google Maps, Google Play
Virtual assistant	Samsung Bixby

Battery

Battery capacity *	3500 mAh

Sensors

Proximity sensor	✔
Accelerometer	✔
Ambient light sensor	✔
Gyroscope	✔
Orientation sensor	✔
Barometer	✔
Geomagnetic sensor	✔

Network

Near Field Communication (NFC)	✔

Subscription

Subscription type *	No subscription

Ports & interfaces

USB port	✔
USB connector type	USB Type-C
ANT+ enabled	✔

Messaging

Short Message Service (SMS)	✔

Endurance

International Protection (IP) code *	IP68

Weight & dimensions

Width	71,8 mm
Depth	7,9 mm
Height	151 mm
Weight *	168 g
Pen dimensions LxD	5,8 x 105,08 mm
Pen weight	3,04 g

Certificates

Head SAR (EU)	0,209 W/kg
Body SAR (EU)	1,523 W/kg
Extremities SAR (EU)	2,58 W/kg

Packaging content

AC adapter included *	✔
Quick start guide	✔
Cables included	USB Type-C
Headset included	✔
Stylus included	✔
SIM card ejector pin	✔
Tweezers	✔
Pen nibs included	✔

Other features

Touchscreen	✔
Repairability index	5.7

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