



KEY FEATURES

- 8 MP, 3264x2448 pixels, Carl Zeiss optics, autofocus, dual-LED flash,
- Microsoft Windows Phone 8, upgradeable to WP8 Black
- Wi-Fi 802.11 a/b/g/n, dual-band, Wi-Fi Direct
- 8 GB, 1 GB RAM
- SMS (threaded view), MMS, Email, Push Email, IM

Nokia Lumia 820 Red (Unlocked Quadband) Windows Smartphone

FEATURES

General	2G Network	GSM 1900/1800/900/850	Features	Chipset	Qualcomm MSM8960 Snapdragon
	3G Network	HSDPA 2100/1900/1700/900/850		Sensors	Accelerometer, gyro, proximity, compass
	4G Network	LTE 26002100/1900/1700/700		Messaging	SMS (threaded view), MMS, Email, Push Email, IM
	Announced	2012, September		Browser	HTML5
	Status	Available. Released 2012, November		Radio	FM radio
Body	Dimensions	123.80 x 68.50 x 9.90mm	GPS	Yes, with A-GPS support and GLONASS	
	Weight	160 gm	Java	No	
	SIM	Micro-SIM		- SNS integration	
Display	Size	480 x 4.30 pixels , inches, (217.00 ppi pixel density)		- Active noise cancellation with dedicated mic	
	Type	AMOLED capacitive touchscreen, 16M colors		- 7GB free SkyDrive storage	
	Multitouch	Yes - Nokia ClearBlack display		- MP3/WAV/eAAC+/WMA player	
Sound		- Dolby Headphone sound enhancement		- MP4/H.264/H.263/WMV player	
	Alert types	Vibration; MP3, WAV ringtones		- Document viewer	
	Loudspeaker	Yes		- Video/photo editor	
				- Voice memo/command/dial	
				- Predictive text input	

	3.5mm jack	Yes
Memory	Card slot	microSD, up to 64 GB
	Internal	8 GB, 1 GB RAM
Data	Bluetooth	v3.10
	GPRS	Class 12 (4+1/3+2/2+3/1+4 slots), 32 - 48 kbps
	EDGE	Class 12
	USB	Yes, microUSB v2.0
Camera	Primary	8 MP, 3264x2448 pixels, Carl Zeiss optics, autofocus, dual-LED flash,
	Features	Geo-tagging, touch focus
	Video	Yes, 1080p@30fps, video stabilization,
	Secondary	Yes, VGA
Battery	Talk Time	Up to 14 h (2G) / Up to 8 h (3G)
	Stand-By	Up to 330 h (2G) / Up to 330 h (3G) Li-Ion 1650 mAh battery (BP-5T)
	Music play	Up to 55 h
Misc	SAR US	1.37 W/kg (head) 0.71 W/kg (body)
	SAR EU	0.79 W/kg (head)
	Colors	Black, Gray, Red, Yellow, White, Blue, Violet
Comms	WLAN	Wi-Fi 802.11 a/b/g/n, dual-band, Wi-Fi Direct
	NFC	Yes
Platform	OS	Microsoft Windows Phone 8, upgradeable to WP8 Black
	CPU	Dual-core 1.5 GHz Krait
	GPU	Adreno 225