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MODEL	JUNIPER SYSTEMS MESA3	JUNIPER SYSTEMS CEDAR (CT8X2)	SAMSUNG GALAXY TAB ACTIVE 3 (SM-T575)
PROCESSOR	Qualcomm® Snapdragon™ Octa-core Kryo™ 260	Qualcomm® Snapdragon™ SDM632 Octa-core 1.8 MHz Kryo™ 250	Exynos 9810 Octa Core (2.7Ghz / 1.7Ghz)
OPERATING SYSTEM	Android 9.0	Android 10	Android 10
MEMORY (RAM)	6 GB	4 GB	4 GB
STORAGE (ROM)	64 GB	64 GB (SD Card storage up to 128 GB)	64 GB (MicroSD Card storage up to 1TB)
WIRELESS CONNECTIVITY	Long-range Bluetooth® Smart Ready wireless technology, v5.0 + EDR, Class 1.5, BLE support	Bluetooth 4.2	Bluetooth 5.0
	Wi-Fi 802.11 a/b/g/n/ac, 2.4 GHz and 5 GHz	YES	YES
	2x2 MIMO 4G LTE multi-carrier	NO 4G LTE multi-carrier 2XSIM cards	YES YES
DISPLAY	Active viewing area: 7" (178 mm) Viewability: High-visibility backlit LCD for best-in-class sunlight view-ability Resoluton: WXGA (1280 x 800)	Active viewing area: 8" (203.2 mm) High-visibility HD IPS display (450 Nits) 1280 x 800	Active viewing area: 8" (203.2 mm) 480 nits / High Brightness Mode 700 nits 1920 x 1200
	MULTI TOUCH	YES	YES
	Optcally bonded for increased visibility and strength Chemically-strengthened Dragontrail™ High Ion-Exchange (HIE™) cover glass for excellent impact and scratch resistance	NO Gorilla® Glass 3	NO NO
KEYPAD	Adjustable LED backlit keys	NO	NO
	Four-way directional navpad	NO	NO
	Home key	YES	YES
	Power key	YES	YES
	Enter key	NO	NO
PORTS	User-programmable function keys	YES	YES
	12V DC power input jack	NO	NO
	USB-C, USB 3.1OTG no batery charging	YES	YES
	1x3.5 mm audio jack	YES	YES
	Optional RS-232 9-Pin D-Sub connector with 5V DC or 12V DC power output Dock connector (Pwr, USB 2.0, & HDMI)	NO NO	NO NO
BATTERY	Removable Li-Ion batery, 43.2 Whr	Removable Li-Ion 8000mAh batery, 30.4 Whr	Removable Li-Ion 5050mAh batery
	Operates 8–10 hours on one charge	5-7.5 hr	4.5-6.5 hr
	Removable batery, easily changeable in field	YES	YES
PHYSICAL	Size: 137 x 215 x 35 mm	Size: 235x146x13mm	128x215x10 mm
	Weight: 680–907 g depending on batery and expansion configuraton	Weight: 560 g	Weight: 428 g
CAMERA	Rear 16 MP with LED illuminaton	Rear 13 MP	Rear 13 MP
	Front 2 MP	Front 5 MP	Front 5 MP
GNSS	Qualcomm SDR660 GNSS receiver and integrated antenna	UBLOX M8030	NO
	Integrated real-tme SBAS receiver (WAAS, EGNOS, etc.)	NO	NO
	GPS, GLONASS, BeiDou, Gallieo	GPS, GLONASS, BeiDou, Gallieo	NO
BARCODE 1D/2D IMAGER	Optional 1D/2D barcode add-on	Optional 1D/2D barcode add-on	NO
UHF RFID	Optional UHF RFID add-on	Optional UHF RFID add-on	NO
OTHER FEATURES	Ambient light sensor	YES	YES
	Compass	YES	YES
	Accelerometer	YES	YES
	Gyroscope	YES	YES
	No NFC	NFC	NFC
RUGGEDNESS	IP68 waterproof & dustproof	IP67 waterproof & dustproof	IP68 waterresistance
	Shock: multiple drops (1.5m) onto concrete	Shockproof: Up to 1 m to concrete	Shockproof: Up to 1.5 m onto concrete
	Operating temperatur - 20C to 60C	YES	YES