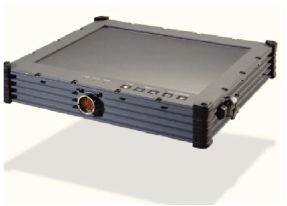
Military Rugged GPGPU Tablet

SD-RT10TX1

10.4“ Rugged Graphics ProcessingTablet (powered by NVIDIA Jetson TX1)



Features:

- Brand New NVIDIA Jetson TX1 Platform Maxwell™ architecture with 256 CUDA cores delivering over 1 TeraFLOPs of performance.
- -20 ~ 70^{O}C Wide Range Operating Temperature
- MIL-STD-810G compliant in Temperature, Altitude , Vibration, Shock, and drop testing.

Specification

System:

• CPU	:	NVIDIA Jetson TX1 64-bit ARM® A57 CPUs *Matches up to an Intel Skylake i7-6700
• Memory	:	4 GB LPDDR4 | 25.6 GB/s
• Storage	:	mSATA SSD 128GB (256GB optional)
• Graphic	:	1 TFLOP/s 256 CUDA cores , HDMI interface
• Camera	:	5MP at back side (optional)
• Audio	:	HD Audio ,1x stereo output
• Wifi	:	Wireless 802.11 a/b/g/n 2x2 dual band
• GPS	:	U-blox 6 engine (optional)
• Video Input	:	1x MIPI CSI-2; 8x Coax with GMSL Signaling
• Serial	:	2x RS-232/422/485 selectable ports
• USB	:	1x USB 3 port & 2x USB 2 ports
• EMI Mesh filter	:	EMI mesh filter (optional)

Panel Specification :

• Size/ Type	:	10.4” TFT LCD LED-backlit
• Resolution	:	1024 x 768
• Brightness	:	1,000 (cd/m^2) Sunlight Readable
• Contract Ratio	:	1200 : 1 (typ.)
• Viewing Angle	:	-88~88 (H) ; -88~88 (V)
• Max. Colors	:	16.2M
• Touch	:	GFG 5-wire resistive touch

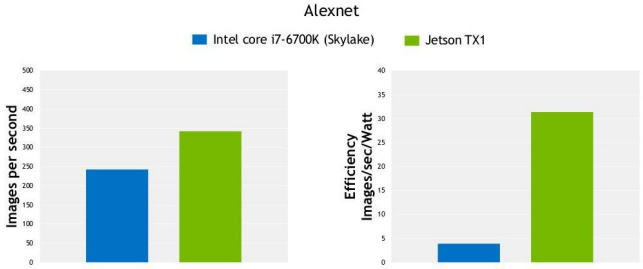
Environment Tolerance:

• Net Weight	:	2.0 KG
• Dimensions	:	254.5 x 203.2 x 48 mm
• Operating Temp.	:	-20 deg. C to 70 deg. C
• Storage Temp.	:	-40 deg. C to 80 deg. C
• Operating Humidity	:	5% to 95% (Non Condensing)
• IP65	:	Full IP65
• Vibration	:	MIL-STD-810G Method M514.5
• Shock	:	MIL-STD-810G Method M516.5
• Drop	:	6 feet drops to concrete
• Altitude	:	15,000 ft. (4572m)

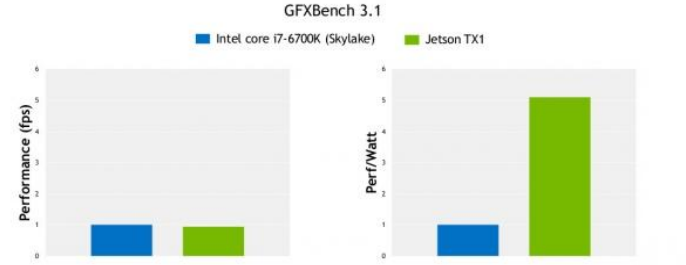
Power Specification :

• Power Input	:	12V DC Input
• Power Consumption	:	20 watts (typical)
• Battery Mode	:	5200 mAh battery
• Cables	:	For optional

DEEP LEARNING PERFORMANCE



GRAPHICS PERFORMANCE



SDK Embedded Systems Ltd.
P.O.B. 913, 7810801 Hertzel St.
Ashkelon, Israel
Tel: +972-722-122-017
Fax: +972-722-509-126
Email: sales@sdksys.com