

CLOUD12-FOG

12" RUGGED PANEL COMPUTER WITH
INTEL® KABYLAKE-U SOC 14NM CORE™ I7/
I5/I3 BGA TYPE, 6 FUNCTION KEYS



- INTEL® KABYLAKE-U SOC 14NM CORE™ I7/I5/I3 BGA TYPE
- NVIDIA GEFORCE GTX950M
- MIL-STD-D38999 AMPHENOL COMPLIANT WITH MIL-STD-461, MIL-STD-1275, MIL-STD-704, MIL-STD-810G
- 12" GLASS-FILM-GLASS TOUCH PANEL
- 1000 NITS , COMPATIBLE WITH SUNLIGHT READABLE
- 9V~36V DC-IN, OR 12V-40V DC-IN MIL-STD-1275/704 COMPLIANT POWER SUPPLY (OPTIONAL)
- 6 USER FUNCTION KEYS
- EXTENDED TEMPERATURE -30 TO +60°C

SPECIFICATIONS

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CPU	Intel® Kabylake-U SoC 14nm Core™ i7/i5/i3 BGA Type Intel® Core™ i7-7600U Processor (2C, 4M Cache, up to 3.9GHz) Intel® Core™ i5-7300U Processor (2C, 3M Cache, up to 3.5GHz) Intel® Core™ i3-7100U Processor (2C, 3M Cache, 2.4GHz)
Memory	2 x DDR4 up to 32GB ECC memory
Storage	1 x mSATA Solid State Disk (SSD) - up to 512GB Capacity 1 x 2.5" SSD up to 2TB Rugged Industrial NAND Flash Storage -40 to 85oC High Capacity
I/O Connectors	MIL-STD-D38999 Amphenol connectors LAN x2, DVI x 1, USB x 1, COM x2, DC-IN x 1
Power Input	9V~ 36V DC-IN Optional: 12V ~ 40V DC-IN, MIL-STD-1275, MIL-STD-704 and DO-160 power supply(150W max)
GPU	NVIDIA GeForce GTX950M
DISPLAY	
LCD Panel	12" TFT LCD
USB	2 x USB 2.0
Resolution	1024x 768 XGA
Aspect Ratio	4:3
Brightness	Ultra Brightness 1000 nits
Max. Colors	16.7M/262k
Viewing Angle	80° (H) /70° (V)
Response Time	11ms (TYP.)
Contrast Ratio	1000 (TYP.)
Touch Panel	Glass-Film-Glass 5-Wire resistor touch panel
Function key	6 user function keys
Display Control	<ul style="list-style-type: none"> • Power On/Off • LCD Brightness +/- • Function key backlight On/Off • Display mode Select (On/Off)

SPECIFICATIONS

PHYSICAL	
Dimension (W x H x D)	310 x 90 x 280mm (w/o Stand)
Chassis	Anodic aluminum oxide
Ingress Protection	IP65 Dust /water Proof
ENVIRONMENTAL QUALIFICATIONS	
Compliant with Military Standard	<p>MIL-STD-461E : CE102 basic curve, 10kHz – 30MHz RE102-4, (1.5MHz) – 30MHz – 5GHz RS103, 1.5MHz – 5GHz, 50 V/m equal for all</p> <p>MIL-STD-1275E : 5.1.2 Starting operation 5.1.3.1.2 Emitted voltage spikes 5.1.3.2.2 Voltage surges 5.1.3.1.1 Voltage spikes 5.1.3.2.1 Voltage surges 5.1.1.2 Voltage ripple</p> <p>MIL-STD-810G : Harsh Temperature, Shock, Vibration, Altitude and Dust</p>
Operating System	Windows 10 64bit Ubuntu16.04, Ubuntu14.04, Fedora 28
Reliability	No Moving Parts; Passive Cooling. Designed & Manufactured using ISO 9001/2000 Certified Quality Program.
EMI/EMC	CE ,FCC , MIL-STD-810G, MIL-STD-1275, MIL-SD-461E compliance
Green Product	RoHS, WEEE compliance

ORDERING INFORMATION

CLOUD 12-F06

12" RUGGED PANEL COMPUTER, INTEL® KABYLAKE-U SOC 14NM CORE™ I7/I5/I3 BGA TYPE, MIL-DTL-38999 CONNECTORS, 6 FUNCTION KEYS.

DIMENSION

