Getac

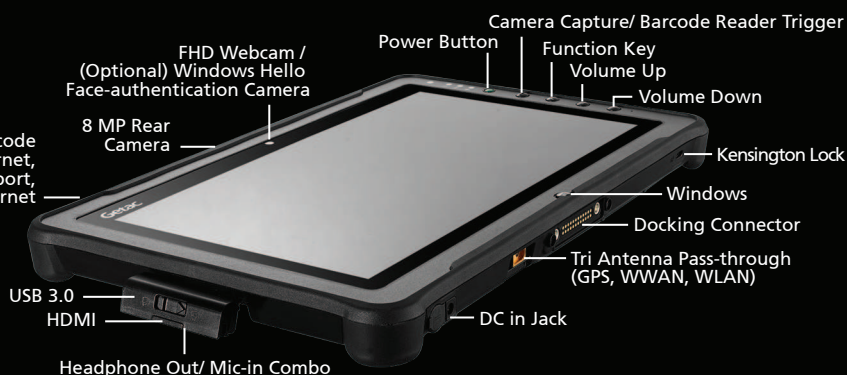Rugged Mobile Computing Solutions

F110

Fully Rugged Tablet

- **Enhanced Enterprise Security with Optional Intel vPro, Windows Hello Face-authentication Camera, TPM 2.0 and Many More Multi-Factor Authentication Options**

- **7th Generation Intel® Core™ i7/i5 Processor**

- **11.6'' LumiBond® 2.0 Display with Getac Sunlight Readable Technology and Capacitive Touchscreen**

- **6 Configurable Options to Fit Diverse Data Collection Needs: Optional 1D/2D Imager Barcode Reader/Serial Port/ Ethernet/MicroSD/2nd USB (USB 2.0) Port/Serial Port+Ethernet**

- **LifeSupport™ Battery Swappable Technology**

CERTIFIED MIL-STD 810G · OPTIONAL MIL-STD 461G · INGRESS PROTECTION IP65 · CERTIFIED ANSI · e

Office Dock

(Optional) 1D/2D imager barcode reader, or Serial port, or Ethernet, or MicroSD, or USB 2.0 port, or Serial port+Ethernet

FHD Webcam / (Optional) Windows Hello Face-authentication Camera

8 MP Rear Camera

Power Button

Camera Capture/ Barcode Reader Trigger

Function Key

Volume Up

Volume Down

Kensington Lock

Windows

Docking Connector

Tri Antenna Pass-through (GPS, WWAN, WLAN)

DC in Jack

USB 3.0

HDMI

Headphone Out/ Mic-in Combo

F110 Fully Rugged Tablet

Getac recommends Windows.

Specifications

Operating System	Windows 10 Professional
Mobile Computing Platform	Platform Options: Intel® Core™ i7 Technology Intel® Core™ i7-7500U Processor 2.7GHz Max. 3.5GHz with Intel® Turbo Boost Technology - 4MB Intel® Smart Cache Intel® Core™ i7 vPro™ Technology Intel® Core™ i7-7600U vPro™ Processor 2.8GHz Max. 3.9GHz with Intel® Turbo Boost Technology - 4MB Intel® Smart Cache Intel® Core™ i5 Technology Intel® Core™ i5-7200U Processor 2.5GHz Max. 3.1GHz with Intel® Turbo Boost Technology - 3MB Intel® Smart Cache Intel® Core™ i5 vPro™ Technology Intel® Core™ i5-7300U vPro™ Processor 2.6GHz Max. 3.5GHz with Intel® Turbo Boost Technology - 3MB Intel® Smart Cache
VGA Controller	Intel® HD Graphics 620
Display	11.6" IPS TFT LCD HD (1366 x 768) 800 nits LumiBond® display with Getac sunlight readable technology Capacitive multi-touch screen
Storage & Memory	4GB DDR4 expandable to 16GB OPAL 2.0 SSD 128GB / 256GB / 512GB
Keyboard	6 tablet buttons (Windows, Power, Function Key, Camera Capture/ Barcode Reader Trigger, Volume Up, Volume Down)
Pointing Device	Touchscreen - Capacitive multi-touch screen - Optional dual mode touchscreen (multi-touch and digitizer)
Expansion Slot	Optional 1D/2D imager barcode reader,or Serial port, or Ethernet,or MicroSD,or USB 2.0 port, or Serial port+Ethernet[i]
I/O Interface	FHD webcam x 1 or Optional Windows Hello face-authentication camera (front-facing) x 1 8M pixels auto focus rear camera x 1 Headphone out / mic-in combo x 1 DC in Jack x 1 USB 3.0 (9-pin) x 1 Docking connector (24-pin) x 1 HDMI x 1 Optional RF antenna pass-through for GPS, WLAN and WWAN

Communication Interface	Optional 10/100/1000 base-T Ethernet[i] (occupies expansion slot) Intel® Dual Band Wireless-AC 8265, 802.11ac Bluetooth (v4.2)[ii] Optional dedicated GPS Optional 4G LTE mobile broadband
Software	Getac Utility (including Power Manager) Getac Camera Getac Geolocation Getac Barcode Manager Adobe® Reader® Optional Absolute DDS® Persistence
Security Feature	Optional Intel® vPro™ Technology TPM 2.0 Optinal LF/HF RFID[iii, iv] Magnetic Stripe reader, Smart Card reader or Fingerprint Scanner or HDMI-In with Smart Card reader Kensington lock
Power	AC adapter (65W, 100-240VAC, 50 / 60Hz) Li-Ion smart battery (11.4V, 2160mAh) x 2 (up to 12 hours of battery life)[v] LifeSupport™ battery swappable technology
Dimension (W x D x H) & Weight	314 x 207 x 24.5 mm (12.4" x 8.15" x 0.96"), 1.39 kg (3.08 lbs)[vi]
Rugged Feature	MIL-STD-810G certified and IP65 certified MIL-STD-461G certified[vii] Optional ANSI/ISA 12.12.01 Vibration & drop resistant e-Mark certified for vehicle usage
Environmental Specification	Temperature[viii]: - Operating: -21°C to 60°C / -5.8°F to 140°F - Storage: -51°C to 71°C / -60°F to 160°F Humidity: - 95% RH , non-condensing
Optional Accessories	Carry bag Multi-Bay Charger (Dual Bay) Multi-Bay Charger (Eight Bay) Detachable folding keyboard Vehicle adapter (90W, 11-16VDC and 22-32VDC) MIL-STD-461G certified AC adapter (90W, 100-240VAC) Digitizer Pen Capacitive stylus (Hard-tip) Protection film Tablet folio case Hand Strap Shoulder harness (4-point; handsfree) Shoulder Strap (2-point) Battery (11.4V, 2160mAh) AC adapter (65W, 100-240VAC) Vehicle cradle Vehicle dock Office dock Office dock with twin battery charger

Docking Solutions

	Serial Port	External VGA	Microphone	Audio Output	DC in Jack	USB	LAN	HDMI	RF Antenna Connector (GPS,WWAN,WLAN)
Vehicle Dock	2	1	1	1	1	4	1	1	3
Office Dock	2	1	1	1	1	4	1	1	--

i   Barcode reader, Serial port, Ethernet, MicroSD, 2nd USB (USB 2.0) port, or Serial port+Ethernet are mutually exclusive options.
ii   Bluetooth performance and connectable distance may be subject to interference with the environments and performance on client devices, users may be able to reduce effects of interference by minimizing the number of active Bluetooth wireless devices that is operating in the area.
iii   LF/HF RFID, Magnetic Stripe reader, Smart Card reader, Fingerprint Scanner and HDMI-in with Smart Card reader are mutually exclusive options.
iv   LF(125kHz) / HF(13.56MHz) Combo RFID/NFC reader (iClass, HID Prox, ISO 15693, 14443 A/B, Mifare and FeliCa™compliant).
v   Battery life testing conducted under MobileMark 2014. Battery performance will vary upon software applications, wireless settings, power management settings, LCD brightness, customized modules and environmental conditions. The battery has a limited number of charge cycles and may eventually need to be replaced by a Getac service provider. Battery life and charge cycles vary by use and settings.
vi   Weight and dimensions vary from configurations and optional accessories.
vii   MIL-STD-461G 90W AC adapter sold separately.
viii   Tested by a national independent third party test lab following MIL-STD-810G.

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Getac

Rugged Mobile Computing Solutions

F110

Fully Rugged Tablet

- **Enhanced Enterprise Security with optional Intel vPro, Windows Disk Encryption, TPM 2.0 and many more multi-factor authentication options**

- **6th Generation Intel® Core™ i7/i5 vPro™ Processor**

- **11.6'' LumiBond® 2.0 Display with Getac Sunlight Readable Technology and Capacitive Touchscreen**

- **5 Customizable Configurations to Fit Your Need (Optional 1D/2D Imager Barcode Reader/Serial Port/Ethernet/ MicroSD/2nd USB 2.0 Port)**

- **LifeSupport™ Battery Swappable Technology**

CERTIFIED MIL-STD 810G · CERTIFIED MIL-STD 461F · INGRESS PROTECTION IP65 · CERTIFIED ANSI · e

Office Dock

Camera Capture/ Barcode Reader Trigger
Power Button
Function Key
Volume Up
Volume Down
FHD Webcam
8MP Camera
(Optional)1D/2D Imager Barcode Reader, Serial Port, Ethernet, MicroSD or 2nd USB 2.0
Kensington Lock
Windows
Docking Connector
Tri Antenna Pass-through (GPS, WWAN, WLAN)
USB 3.0
HDMI
DC in Jack
Headphone Out/ Mic-in Combo

Rugged Mobile Computing Solutions

F110 Fully Rugged Tablet

Getac recommends Windows.

Specifications

Operating System
Windows 7 Professional
Windows 10 Professional

Mobile Computing Platform
Intel® Core™ i7 Technology
Intel® Core™ i7-6500U Processor 2.5GHz
Max. 3.1GHz with Intel® Turbo Boost Technology
 - 4MB Intel® Smart Cache

Intel® Core™ i7 vPro™ Technology
Option Intel® Core™ i7-6600U vPro™ Processor 2.6GHz
Max. 3.4Hz with Intel® Turbo Boost Technology
 - 4MB Intel® Smart Cache

Intel® Core™ i5 Technology
Intel® Core™ i5-6200U Processor 2.3GHz
Max. 2.8GHz with Intel® Turbo Boost Technology
 - 3MB Intel® Smart Cache

Intel® Core™ i5 vPro™ Technology
Optional Intel® Core™ i5-6300U vPro™ Processor 2.4GHz
Max. 3.0GHz with Intel® Turbo Boost Technology
 - 3MB Intel® Smart Cache

VGA Controller
Intel® HD Graphics 520

Display
11.6" TFT LCD HD (1366 x 768)
800 nits LumiBond® display with
Getac sunlight readable technology
Capacitive multi-touch screen

Storage & Memory
4GB DDR4 expandable to 16GB
SSD 128GB / 256GB / 512GB

Keyboard
6 tablet buttons (Windows, Power, Function Key,
Camera Capture/ Barcode Reader Trigger,
Volume Up, Volume Down)

Pointing Device
Touchscreen
 - Capacitive multi-touch screen
 - Optional dual mode touchscreen
   (multi-touch and digitizer)

Expansion Slot
Optional 1D/2D Imager Barcode Reader, Serial Port,
Ethernet, MicroSD or 2nd USB 2.0 Port[i]

I/O Interface
FHD webcam x 1
8M pixels auto focus rear camera x 1
Headphone out / mic-in combo x 1
DC in Jack x 1
USB 3.0 (9-pin) x 1
Docking connector (24-pin) x 1
HDMI x 1
Optional RF antenna pass-through for GPS,
WLAN and WWAN

Communication Interface
Optional 10/100/1000 base-T Ethernet[i]
(occupies expansion slot)
Intel® Dual Band Wireless-AC 8260, 802.11ac
Bluetooth (v4.2)[ii]
Optional dedicated GPS
Optional Gobi™ mobile broadband

Software
Getac Utility (including Power Manager)
Getac Camera
Getac Geolocation
Getac Barcode Manager
Adobe® Reader®

Security Feature
Intel® vPro™ Technology
TPM 2.0
Optional RFID[iii, iv] magnetic stripe reader,
smart card reader or fingerprint scanner[v]
Kensington lock

Power
AC adapter (65W, 100-240VAC, 50 / 60Hz)
Li-Ion smart battery (11.4V, 2160mAh) x 2
(up to 12 hours of battery life)[vi]
LifeSupport™ battery swappable technology

Dimension (W x D x H) & Weight
314 x 207 x 24.5 mm (12.4" x 8.15" x 0.96"),
1.39 kg (3.08 lbs)[vii]

Rugged Feature
MIL-STD-810G certified and IP65 certified
MIL-STD-461F certified[viii]
Optional ANSI/ISA 12.12.01
Vibration & drop resistant
e-Mark certified for vehicle usage

Environmental Specification
Temperature[ix]:
 - Operating: -21°C to 60°C / -5.8°F to 140°F
 - Storage: -40°C to 71°C / -40°F to 160°F
Humidity:
 - 95% RH , non-condensing

Optional Accessories
Carry bag
Battery charger
Multi-Bay charger (Eight Bay)
Detachable folding keyboard
Vehicle adapter (90W, 11-16VDC and 22-32VDC)
MIL-STD-461F certified AC adapter (90W, 100-240VAC)
Digitizer pen
Capacitive stylus (Hard-tip)
Protection film
Tablet folio case
Hand-strap
Shoulder harness (4-point; handsfree)
Shoulder strap (2-point)
Battery (11.4V, 2160mAh)
AC adapter (65W, 100-240VAC)
Vehicle cradle
Vehicle dock
Office dock

Docking Solutions

	Serial Port	External VGA	Microphone	Audio Output	DC in Jack	USB	LAN	HDMI	RF Antenna Connector (GPS,WWAN,WLAN)
Vehicle Dock	2	1	1	1	1	4	1	1	3
Office Dock	2	1	1	1	1	4	1	1	--

i Barcode reader, Serial port, Ethernet, MicroSD or 2nd USB 2.0 port are mutually exclusive options.
ii Bluetooth performance and connectable distance may be subject to interference with the environments and performance on client devices,
   users may be able to reduce effects of interference by minimizing the number of active Bluetooth wireless devices that is operating in the area.
iii RFID, magnetic stripe reader, smart card reader are mutually exclusive options.
iv 13.56MHz Contactless RFID/NFC reader (ISO 15693, 14443 A/B, Mifare and FeliCa™ compliant).
v Windows 7 and Windows 8 only.
vi Battery life testing conducted under MobileMark 2007. Battery performance will vary upon software applications, wireless settings, power management settings, LCD brightness, customized modules and environmental conditions.
   The battery has a limited number of charge cycles and may eventually need to be replaced by a Getac service provider. Battery life and charge cycles vary by use and settings.
vii Weight varies from configurations and optional accessories.
viii MIL-STD-461F 90W AC adapter sold separately.
ix Tested by a national independent third party test lab following MIL-STD-810G.

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