

**Work Faster, Smarter, Better
with Rugged Enterprise Computing**



MiTAC F840

ELEVATE FLEET INTELLIGENCE WITH ADVANCED TABLET SOLUTIONS

Empower frontline workers with the MiTAC F840 - an enterprise-grade Android™ tablet designed to thrive in demanding conditions. Powered by a Qualcomm Octa-core processor harnessing a 3rd generation Qualcomm AI Engine, the F840 delivers a powerful blend of robust computing and energy efficiency. The large 8" touchscreen features an anti-glare coating, is rain resistant and supports glove touch, guaranteeing uninterrupted performance in and out of the vehicle. Designed to meet SAE-J1455 standards for heavy duty vehicles, the F840 offers versatile in-vehicle cradle options for advanced video telematics expansion and incorporates unique battery management technology. This makes the F840 the obvious choice for seamless integration into worksites across fleet management, field service, and logistics, showcasing optimal performance and durability. In an era emphasizing AI-driven solutions, the MiTAC F840 stands out as a tech-forward asset in modern enterprises.



Reliable, ready to roll

- Android 13.0 (upgradeable to 15), Google Mobile Services (GMS)
- 8-core Qualcomm processor, on-device AI intelligence
- Built-in 4G LTE, Wi-Fi, NFC, Bluetooth, GNSS (L1+L5)



Doubled down on power management

- Removable but secured serviceable battery for easy maintenance
- Smart charging modes reduce battery wear, increasing battery life
- Monitor battery health in real-time with MiDM cloud platform²



All new multi-channel video telematics cradle

- Multi-channel video cradle supports 4-channel TVI camera inputs, enabling advanced Video Telematics solutions
- Steadfast durability, withstanding thousands of docking cycles
- F840 is backwards compatible with previous-gen cradle accessories¹



Engineered for tough environments

- IP54-rated, 1.2m (up to 1.8m) drop-proof following MIL-STD-810G
- Shock resistant to 20G peaks per SAE-J1455 industrial automotive standard
- -20° to +60°C operating temperature



¹ Supported items include F740s vehicle cradles, fleet cable and hand strap. For customized projects, please contact your sales representative for more information.

² Our in-house Mobile Device Management platform. Subscription required.

SPECIFICATIONS

F840

Display	8" 1280x800 IPS (600 nits, 85° view angle)	
Touch Panel	Capacitive multi-touch with optical bonding, glove support & water resistant, anti-glare coating	
Platform	Qualcomm® QCM4290, Octa core, up to 2.0GHz	
OS	Android™ 13 (GMS), upgradeable to Android™ 15	
Memory	3GB RAM / 32GB internal storage (4GB RAM / 64GB internal storage¹)	
Expansion	MicroSD slot (up to 512GB)	
Wireless Interface²	IEEE 802.11 a/b/g/n/ac (2.4GHz & 5GHz) WEP, WPA/WPA2/WPA3 802.11x EAP security standard, WIFI Direct*	
	Bluetooth® 5.1 BLE	
	GPS (including AGPS) + GLONASS, simultaneously tracking, dual frequency (L1 + L5)	
	LTE Cat.6	
	EMEA & Australia LTE FDD Band 1/2/3/4/5/7/8/20/28; WCDMA Band 1/2/4/5/8; GSM 850/900/1800/1900MHz North America LTE FDD Band 2/4/5/7/12/13/14/17/25/26/66/71	
NFC	NFC: MiFare®, FeliCa HF RFID: ISO14443 A&B, ISO15693	
Sensors	Accelerometer (G sensor) - auto rotation, Gyro, eCompass, ambient light sensor, vibration motor	
Camera	Rear: 8 megapixels, auto focus with flash LED; Front: N/A¹	
Physical Interface	MicroSD slot	
	Dual Nano SIM slots	
	USB Type-C 2.0 (supports OTG)	
	24-pin pogo pin connector (charging & data transmission)	
	Built-in mic x2 (supports noise cancellation); Built-in speaker x1	
Video Input / External Camera Support	With Video Cradle (5413N6350002): 1x 3.5mm video-in signal (CVBS) With Multi-Channel Video Cradle (5413N7380006): Up to 4 TVI cameras + 1 CVBS (3.5mm video-in)	
Buttons	Front: power, programmable button x2 (default: volume +/-) Soft buttons: on screen Android™ navigation keys	
Battery	4,000mAh Li-Po replaceable battery, with tamperproof security screws	
	Battery life up to 8 hours based on typical usage conditions³	
Environment	IP54 and MIL-STD-810G 1.2m/4ft drop resistant (1.8m/6ft with protective caps)	
	Vibration & Shock resistance: SAE J1455 standard, up to 20G peaks	
	-20° to +60°C (-4° to +140°F) operating temperature⁴	
	-30° to +70°C (-22° to +158°F) storage temperature	
	Humidity: 0 ~ 95%, non-condensing	
Certification²	CE/CB, FCC/IC, RCM, BQB, E-mark, PTCRB, EN 18031, ROHS, WEEE, Carrier: Verizon, AT&T	
Software	MiTAC Mobile Device Management (MiDM), MiLock (Kiosk Launcher), MiBattery Pro (Battery Health Monitoring) ready; SOTI MobiControl compatible	
Warranty	12 months (extended warranty available)	
Weight	490g	
Dimensions	132.4 x 225.5 x 20.5 mm (5.21 x 8.88 x 0.81")	

¹ Optional
² Region dependent
³ Actual battery life varies depending on factors including network activity, functions enabled, screen brightness, and other application-usage patterns
⁴ -20°C (-4°F) with AC input; -10°C (14°F) standalone

Box contents²

- Tablet
- Standard vehicle cradle
- USB Type-C to USB Type A cable
- Micro USB to USB Type A cable
- Quick start guide



MiTAC F840

ACTIVE IN-VEHICLE CRADLE



► **RELEASE BUTTON**
Key lock mechanism optional*

► **POGO PINS (CHARGE, SYNC)**
Reliable & Increased durability

► **DOCKING ALIGNMENT MAGNETS**

► **USB TYPE A 2.0 (HOST)**
Ethernet compatible
Can insert flash drives

► **MOUNTING SCREW HOLES**
AMPS RAM mount compatible

► **TABLET SCREW HOLES**
Secure tablet to cradle
(tablet non-removable)

► **3.5MM JACK**
Supports audio out / mic in

► **MICRO USB (HOST/CHARGING)**
Charge via 12/24V vehicle adapter

► **VIDEO-IN***
Connect to back-up/reverse camera

► **FLEET PORT**
Black box connectivity & charging (6-pin Molex)

* Optional depending on cradle SKU

Specifications	Standard Cradle	Video Cradle	Lockable Cradle
Part Number	5413N5640001	5413N6350002	5413N6350004
I/O Ports	USB Type A 2.0: Host x1		
	Micro USB 2.0: Charging x1		
	Serial port: 6-pin fleet port (Tx/Rx, 12/24V, IGN), support RS232C		
	Audio: 3.5mm headset jack x1		
Video-in Function	no	yes	yes
Lock Function	no	no	yes
Power Interface	Option 1: Fleet port: 12/24V vehicle power system (9~32V wide DC input, ISO-7637-2 compliant)		
	Option 2: Car charger (5V/2A) input via Micro USB		
Environment	Temperature: -20° to +60°C (-4° to +140°F) operating ¹ -30° to +70°C (-22° to +158°F) storage		
	Humidity: 0 ~ 95%, non-condensing		
Certification	FCC, IC, CE, E-mark, ROHS, WEEE		
Weight	105g (3.7oz)		150g (5.3oz)
Dimensions	117.4x107x38.7mm (4.62x4.21x1.52")		117.4x107x56mm (4.62x4.21x2.2")

¹ -20°C (-4°F) with AC input, -10°C (14°F) standalone

MiTAC F840

MULTI-CHANNEL VIDEO CRADLE FOR VIDEO TELEMATICS

Sold separately - PN: 5413N7380006

▶ STANDALONE MODE 

Continuous recording even without a tablet when vehicle power is enabled.

▶ 4-CHANNEL CAMERAS



- Blindspot AI (TBC)
- Side View
- Cargo View
- Rear View

▶ CRADLECAM APP

- Multi-channel live view
- Download recordings
- Blindspot Alerts when using AI cameras



▶ CAMERA-IN



4-channel external camera inputs
Screw-locked DP connector.

▶ VISIONMAX CLOUD
Requires K245c Connected Fleet Dashcam

Unlock real-time 360° video insights, remote event & driver analysis

- On-demand access to synchronized cradle & CDR footage via VisionMax
- APIs for 3rd party integration



MiTAC K245c

- 4G LTE connected
- AI-enabled ADAS/DMS
- Dual-channel cameras



▶ Telematics Box (Tx/Rx)



- Telematics Box (Tx/Rx)
- Smart CAN J1962/J1939
- Vehicle Power

* Illustrative only. Actual function may vary by configuration and software integration.

Specifications	
Platform	SigmaStar SAV835 SoC, Dual core, up to 1.2GHz
Memory	256MB RAM / 128MB storage
Camera	TVI/AHD x4 (supports 4 channels; 720p camera; 1 megapixel) Video footage is stored in the microSD card of the cradle by default Standalone mode: continues recording even without a tablet when vehicle power is enabled
Wireless Interface	IEEE 802.11 b/g/n (2.4GHz)
Physical Interface	MicroSD slot (up to 1TB capacity) with tamper-proof cover Camera-in connector x1 (supports 4-channel TVI via the adapter cable, 4-pin lockable ports) USB x2: Type A 2.0 (host, 5V/1A, supports smart CAN cable); Micro USB 2.0 (for maintenance use 5V/1A) 6-pin fleet port (Tx/Rx, 12/24V, IGN), support RS232C Built-in mic x1 3.5mm headset jack x1 3.5mm video-in jack x1 (optional, supports reverse camera, no recording) 24-pin pogo pin connector (tablet charging & data transmission)
Buttons	Reset button x1
Power Input	Fleet port: 12/24V vehicle power system (9~32V wide DC input, ISO-7637-2 compliant)
LED Indicator	Power LED indicator: Red/Green; Status LED indicator: Red/Green/Blue
Mechanical Design	AMPS mount compatible
Environment	Cooling: Active (Internal Fan) Temperature: operating: -20° to +60°C (-4° to +140°F); storage: -30° to +70°C (-22° to +158°F) Vibration & Shock resistance: SAE J1455 standard, up to 20G peaks Humidity: 0 ~ 95%, non-condensing
Certification	CE/CB, UKCA, FCC/IC, RCM, E-mark, ROHS, WEEE (TBD)
Weight / Dimensions	TBD
Box contents	Vehicle cradle, 4-port TVI adapter cable, Screw kit

MiTAC F840

ACCESSORIES - VIDEO TELEMATICS

SIDE CAMERA Sold separately  ► EXTERIOR TVI CAMERA Side view camera features 720p @ 30fps resolution, IP69K waterproof, 9 IR LED with night vision.	SIDE CAMERA Sold separately coming Q4/2025  ► AI BLINDSPOT TVI CAMERA Side view BSIS camera featuring edge AI, 720p, IP69K	REAR VIEW Sold separately  ► EXTERIOR TVI CAMERA Rear view camera features 720p @ 30fps resolution, IP69K waterproof, 9 IR LED with night vision.
 ► TVI/AHD ADAPTER CABLE Displayport to four M8 male connectors (4-pin) for external cameras. Cable length: 60cm. Included with multi-channel video cradle		Sold separately TBD Coming Soon ► EXTENSION CABLE TVI extension cable, male to female connector. Cable length: 5/10m, extendable up to 35m.

ACCESSORIES - TABLET

 ► PROTECTIVE CAPS Two-part shell fitted with tough rubber corners seamlessly integrate into tablet design. Enhance drop-resistance by 1.2m/4ft to 1.8m/6ft. Compatible with In-Vehicle Cradle and Hand Strap. Sold separately PN: 5416N7220013	 ► HAND STRAP Flexible elasticised Hand Strap for effortless balancing of tablet in one hand. Compatible with In-Vehicle Cradle and Protective Caps. Sold separately PN: 5416N5640010		
 ► FLEET CABLE Sync data from/to telematics box and power device simultaneously. Sold separately PN: 5416N5640003	 ► USB CAR CHARGER 5V/2A CLA vehicle charger with micro USB cable. Available to purchase on demand only PN: 5413N5640002	 ► FASTENING CLIPS Tidy up vehicle installations with cable management clips.¹ Available to purchase on demand only PN: 5416N5640004	 ► SUCTION MOUNT Composite mount with large gel-pad suction cup for extra secure fit. Sold separately PN: 5412N5640001

¹ Compatible with standard, video and lockable cradle. Not applicable to multi channel TVI Video cradle.