

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



MioWORK™ F840

ELEVATE FLEET INTELLIGENCE WITH ADVANCED TABLET SOLUTIONS

Empower frontline workers with the MioWORK™ 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 MioWORK™ F840 stands out as a tech-forward asset in modern enterprises.



Reliable, ready to roll

- Android 13.0 (Android 16 TBC), 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 F740/F740s vehicle cradles, fleet cable and hand strap. For custom projects, please contact your sales representative for more information.
² Our in-house Mobile Device Management platform. Subscription required.

MioWORK™ F840



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™ 16 (TBC)
Memory	3GB RAM / 32GB internal storage (4GB RAM / 64GB internal storage ¹)
Expansion	MicroSD slot (up to 512GB)
Wireless Interface ²	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/A ¹
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 conditions ³
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 temperature ⁴
	-30° to +70°C (-22° to +158°F) storage temperature
	Humidity: 0 ~ 95%, non-condensing
	Altitude: operating: 0 ~ 4,572m (15,000ft); non-operating: 0 ~ 12,192m (40,000ft)
Certification ²	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





MioWORK™ 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	117.4 x 107 x 14.4/38.7 mm (4.62 x 4.21 x 0.57/1.52")		117.4 x 107 x 33.8/37.7 mm (4.62 x 4.21 x 1.33 / 1.48")

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



MioWORK™ 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.

▶ **CRADLECAM APP**

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

▶ **4-CHANNEL CAMERAS**



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

▶ **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



MioEYE™ K245c

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

* 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 on 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)
Buttons	24-pin pogo pin connector (tablet charging & data transmission)
	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	Approx. 210g; 116.1 × 112.8 × 22.11 / 42.7 mm (4.57 × 4.44 × 0.87 / 1.68")
Box contents	Vehicle cradle, 4-port TVI adapter cable, Screw kit



MioWORK™ 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.



Included with
multi-channel
video cradle

▶ TVI/AHD ADAPTER CABLE

Displayport to four M8 male connectors (4-pin) for external cameras. Cable length: 60cm.

Coming Soon

▶ EXTENSION CABLE

TVI extension cable, male to female connector. Cable length: 5/10m, extendable up to 35m.

Sold separately

ACCESSORIES - TABLET



Sold separately
PN: 5416N7220013

▶ 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: 5416N5640010

▶ 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: 5416N5640003



▶ FLEET CABLE

Sync data from/to telematics box and power device simultaneously.

Available to purchase
on demand only
PN: 5413N5640002



▶ USB CAR CHARGER

5V/2A CLA vehicle charger with micro USB cable.

Available to purchase
on demand only
PN: 5416N5640004



▶ FASTENING CLIPS

Tidy up vehicle installations with cable management clips.¹

Sold separately
PN: 5412N5640001



▶ SUCTION MOUNT

Composite mount with large gel-pad suction cup for extra secure fit.

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