Work Faster, Smarter, Better with Rugged Enterprise Computing

Mio™

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, Google Mobile Services (GMS) certified
- 8-core Qualcomm processor, on-device AI intelligence
- Built-in 4G LTE, Wi-Fi, NFC, Bluetooth, GNSS

Doubled down on power management

- Removable but secured serviceable battery for easy maintenance
- Smart power mode providing power directly to the tablet, maximizes battery lifespan
- Monitor battery health in real-time with MiDM cloud platform[1]

All new multi-channel video telematics cradle

- Multi-channel video cradle supports four-channel TVI camera inputs, enabling an advanced solution for video telematics
- Steadfast durability, withstanding thousands of docking and undocking test cycles
- F840 is backwards compatible with previous-gen cradle accessories

Engineered for tough environments

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

[1] Our in-house Mobile Device Management platform. Subscription required.

Qualcomm   Android

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™ 14
Memory	3GB RAM / 32GB internal storage (4GB RAM / 64GB internal storage[1])
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** **North America** LTE FDD Band 1/2/3/4/5/7/8/20/28; LTE FDD Band 2/4/5/7/12/13/14/17/25/26/66/71 WCDMA Band 1/2/4/5/8; GSM 850/900/1800/1900MHz
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 (up to 512GB capacity)
	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	Supports up to 4-ch TVI cameras (supported by Multi-Channel Video Cradle, sold separately)
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, UKCA, FCC/IC, RCM, BQB, E-mark, PTCRB, Carrier (Verizon, AT&T), ROHS, WEEE (TBD)
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 (17.3oz)
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 contents[2]

- **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*

▶ **DOCKING ALIGNMENT MAGNETS**

▶ **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

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

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

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

▶ **EXTERNAL GPS JACK***
Enhance positioning accuracy

▶ **MICRO USB (HOST/CHARGING)**
Charge via 12/24V vehicle adapter
GPS cradle: no charging, host mode only

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

* Optional depending on cradle SKU

Specifications	Standard Cradle	Video Cradle	GPS Cradle	Lockable Cradle
Part Number	5413N5640001	5413N6350002	5413N6350003	5413N6350004
USB 2.0	USB Type A (host) x1 Micro USB (charging) x1	USB Type A (host) x1 Micro USB (charging) x1	USB Type A (host) x1 Micro USB (host) x1	USB Type A (host) x1 Micro USB (charging) x1
I/O Ports	6-pin fleet port (Tx/Rx, 12/24V, IGN), support RS232C			
Audio	3.5mm headset jack x1			
Video-in	no	yes	yes	yes
GNSS + external GPS Antenna jack	no	no	U-blox NEO-M8L (3x GNSS concurrently)	no
Lock Function	no	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	**Option 2:** Car charger (5V/2A) input via Micro USB	no	**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

MioWORK™ F840

MULTI-CHANNEL VIDEO CRADLE FOR VIDEO TELEMATICS
Sold separately - PN: TBD

▶ **STANDALONE MODE** 🛜

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

▶ **4-CHANNEL CAMERAS**

DMS & In-Cab
Side/Cargo View
Rear View
Blind Spot
Telematics Box (Tx/Rx)
Vehicle Power

Video / Power

Power / COM

Video Recording

Vehicle Data

▶ **CAMERA-IN**

4-channel TVI camera inputs
Highly reliable fixed connector.

▶ **CLOUD PLATFORM**

Remote view of live & event recordings.
API suite for platform implementation.

Specifications	
Platform	SigmaStar SAV837 SoC, Dual core, up to 1.2GHz
Memory	2GB RAM / 1GB internal storage
Camera	TVI 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 256GB capacity)
	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)
	40W power consumption
LED Indicator	**Power LED indicator:** Red/Green; **Status LED indicator:** Red/Green/Blue
Mechanical Design	AMPS mount compatible
Environment	**Vibration & Shock resistance:** SAE J1455 standard, up to 20G peaks
	Temperature: operating: -20° to +60°C (-4° to +140°F); storage: -30° to +70°C (-22° to +158°F)
	Humidity: 0 ~ 95%, non-condensing
Certification	CE/CB, UKCA, FCC/IC, RCM, E-mark, ROHS, WEEE (TBD)
Weight / Dimensions	220g (7.8oz) / 116.9x113.7x46.4mm (4.60x4.48x1.83")
Box contents	Vehicle cradle, TVI adapter cable, Screw kit

MioWORK™ F840

ACCESSORIES - VIDEO TELEMATICS

DRIVER MONITORING

Sold separately
TBD

▶ **DMS CAMERA**

In-cabin view camera features 720p resolution with IR LED night vision.

BLIND SPOT

Sold separately
TBD

▶ **EXTERIOR TVI CAMERA**

Side/rear view camera features 720p resolution with IR LED night vision, IP69K waterproof.

ROAD VIEW

Sold separately
TBD

▶ **INTERIOR TVI CAMERA**

Road view camera features 720p resolution, with IR LED night vision.

Included with multi-channel video cradle

Coming Soon

▶ **TVI ADAPTER CABLE**

Supports 4-channel TVI 4-pin lockable ports, cable length: 60cm.

Sold separately
TBD

Coming Soon

▶ **EXTENSION CABLE**

TVI extension cable, male to female connector, cable length: 6-8m.

ACCESSORIES - TABLET

Sold separately
PN: TBD

▶ **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: TBD

▶ **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

CAR CHARGER + MICRO USB

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

Sold separately
TBD

GPS ANTENNA

Enhance positioning accuracy using the GPS cradle and external GPS antenna.[1]

Available to purchase on demand only
PN: 5416N5640004

FASTENING CLIPS

Tidy up vehicle installations with cable management clips.[2]

Sold separately
PN: 5412N5640001

SUCTION MOUNT

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

[1] External GPS Antenna supported on GPS cradle only
[2] Compatible with standard, video, GPS and lockable cradle. Not applicable to Multi-Channel Video Cradle

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