

CIPHER LAB  
Smarter

# 9700 series



## Crafted for Superior Indoor Application



Deliberately created for the challenging requirements of the warehousing, distribution center and manufacturing industries, the CipherLab 9700 series features excellent functionality and ruggedness for applications within four-wall environments. The 9700 series is built with industrial toughness to work under any in-premise environment with ease. Its versatility and flexible reader options assists users to effectively capture barcodes located in difficult settings. 9700 series' new keypad design offers 3 different keypad options to deliver user friendly usage. Additionally, a load of other valuable features make 9700 series a useful tool for all your warehouse and distribution center demands.



# 9700<sup>serie</sup>

Industrial Mobile Computer

## Indoor Application Excellence with 9700 Series

The 9700 series mobile computer is a device that provides solutions for indoor applications. Its features and designs aim to sufficiently provide user satisfaction for applications within four walls. The 9700 series performs with versatility and functionality, while maintaining industrial ruggedness. Fully protected with IP65 standards, 9700 series' multiple reader options give users a wide range of data collection options. The 9700 series' new 3 keypad options deliver user friendly usage at all times. The new 9700 operates on both Windows® and Android platforms to make sure its compatibility with user' s infrastructure. and TI OMAP 1GHz CPU which enables fast and easy application development. Having great wireless communication, instant and safe data transmission is provided without difficulties. Running on different battery options gives users extended operation time. Along with all these features, user-friendly software and utility support provides new and updated benefits to increase user output.



### Modularity Designs with Adaptable Reader Options

CipherLab's 9700 series is a device that is designed with multiple tools in its scanning repertoire. The scanning options include laser, 2D imager, extended range laser, and near/far 2D imager and mid-range 2D imager. The extended range laser extends the barcode reading range to 45 ft / 9.1 m (100 mil retro-reflective). Supreme scanning versatility is also provided by the near/far scanning technology built-in which delivers the ability to auto-focus for reading both long and short distance. It gives flexibility to read both 1D and 2D barcodes from as close as 6 in/ 15 cm on 10 mil barcodes to over a whopping 50 ft/ 15 m for 300mil symbols. The 9700 series also features great modularity which allows for field replacement and on-site services.

### Industrial Ruggedness for Dependability

The 9700 series mobile computer durability is designed to allow users to operate without worry. Its ruggedness is securely guaranteed with an IP65 rating seal which is capable of withstand exposure to dust, dirt and water splashes. Its toughness can also resist multiple drops from 1.8 m onto concrete and endure 1000 tumbles at 0.5 m, which promises protection from accidental drops or other unexpected damages. The protection standards allow the 9700 series to standout in the industry today. The durability that the 9700 series possess proves it to be a great asset under harsh environments.



## Comfortable and Long-lasting Designs Crafted with Keypad Options

The 9700 series' flexible design offers 3 different keypads which allow the 9700 series to utilize its options depending on users' situations. The 9700 series comes equipped with both 30 and 38 numeric keypads with 4 and 10 function keys for user application needs. In addition, a 53 key alphanumeric with 20 function keys can serve as an alternative for Terminal Emulation of VT220, TN3270 and TN5250 systems. Its compact and

ergonomics offer great mobility and comfort for its users. Paired with a pistol grip option, it ultimately minimizes the burden on the users' intense scanning demands with easier operation. The 9700 series also provides 2 different battery options in 3600 mAh and 5400 mAh batteries which allow longer operation time to last beyond a full shift period.

## Flexible Wireless Communications Connections and Efficient Communication

The 9700 series offers instant and safe data transmission with its wireless communication options. Its CCXv4 certified IEEE 802.11 a/ b/ g/ n on Windows® model and newly-added IEEE 802.11 ac dual band for Android one with CCXv4 certified keeps backend systems updated simultaneously granting users the ability to allow real-time network and access critical information. Users are able to receive

real-time quality data transmission with The Bluetooth® communication Class II, V2.1 which is also fully compatible with printers, accessories and peripherals. Furthermore, Push-to-Talk is a feature designed to provide better workflow and communication efficiency by supporting one-to-many features under WLAN conditions.

## Value-added Software with Mainstream Platform

The 9700 series respectively adopts TI OMAP 1GHz and Cortex 2GHz CPU for Windows® and Android platforms, operates on Windows® CE 6.0, Windows® embedded handheld 6.5 and TI OMAP 1GHz CPU which allow it to run manifold tasks with velocity is adapted to meet the mainstream verticals in the business and easy developments. It is also equipped with user-friendly software and utility support which will fully maximize the value of the software features. Having button assignment allows users speed up process with quick access to function keys. It also includes App-lock which empowers you with full control over the device to ensure worker productivity.



### Application Development

**SYSDEV KALIPSO**  
mobile application generator

- Mobile Application Generator

### Device Management

**CipherLab**

- App-Lock

**wavelink**

- Avalanche™

**SDI.net**  
We Manage Mobility

- MobiControl

### Browsers and Terminal Emulators

**CipherLab**

- Mirror Browser
- Mirror Terminal Emulator
- Mirror Browser

**wavelink**

- Industrial Browser
- Terminal Emulator

**NAURYTECH**  
CORPORATION

- CETerm Industrial Browser and Terminal Emulator





# 9700<sup>series</sup>

## Industrial Mobile Computer



|                          |                                  |                                                                                                                                                                                                                                                   |                                                                                            |
|--------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Performance              | Operating System                 | Windows® CE 6.0 R3 / Windows® Embedded Handheld 6.5.3                                                                                                                                                                                             | Android 6.0                                                                                |
|                          | CPU                              | Ti OMAP 3730 1GHz                                                                                                                                                                                                                                 | Cortex A53 Octa-core Up to 2.0 GHz                                                         |
|                          | Memory                           | 4GB Nand FLASH / 512MB DDR SDRAM                                                                                                                                                                                                                  | 16 GB eMMC(MLC) / 2 GB LPDDR3 SDRAM                                                        |
|                          | Expansion                        | Micro SD Slot With SDHC Support (up to 32 GB)                                                                                                                                                                                                     |                                                                                            |
|                          | Operating Power                  | Rechargeable 3.7V 3600 mAh / 5400 mAh Li-ion Battery                                                                                                                                                                                              |                                                                                            |
|                          | Working Hours <sup>1</sup>       | 13                                                                                                                                                                                                                                                |                                                                                            |
|                          | Alert                            | 3 LED indicators (for RF, charging status and good reading) / Vibrator / Speaker                                                                                                                                                                  |                                                                                            |
|                          | Interface Supported              | USB, RS232                                                                                                                                                                                                                                        |                                                                                            |
| Wireless Communication   | WLAN                             | Cisco® CCXv4 Certified IEEE 802.11 a/b/g/n                                                                                                                                                                                                        | IEEE 802.11 a/b/g/n/ac dual band                                                           |
|                          | WLAN security                    | WEP, WPA (PSK, TKIP), WPA2 (AES, PSK), WPA-1x (TKIP, EAP-TLS, PEAP), WPA2-1x (AES, EAP-TLS, PEAP), 802.1x (EAP-TLS, PEAP)                                                                                                                         | WEP, WPA (PSK, TKIP), WPA2 (AES), 802.1x (EAP-TLS, PEAP), AES-CCMP, WPI-SMS4, GCMP, WPS2.0 |
|                          | WPAN                             | Bluetooth® Class II, V2.1 With Enhanced Data Rate (EDR)                                                                                                                                                                                           | Bluetooth® Class II, V4.1 dual mode, V2.1 with Enhanced Data Rate (EDR)                    |
| Data Capture             | Barcode scanning                 | 1D Laser / 2D Imager / 1D Extended Range Laser / Near / Far 2D Imager / Mid-Range 2D Imager (on request)                                                                                                                                          |                                                                                            |
| Physical Characteristics | Display                          | 3.5" VGA / QVGA TFT color LCD with LED backlight, Sunlight readable resistive Touch Panel                                                                                                                                                         | 3.5" VGA TFT color LCD with LED backlight, Sunlight readable resistive Touch Panel         |
|                          | Keypad                           | 30-key / 38-Key Numeric and 53-Key Alphanumeric keypads with LED backlight                                                                                                                                                                        |                                                                                            |
|                          | Audio                            | Speaker, digital microphone with echo and noise cancellation, stereo headset                                                                                                                                                                      |                                                                                            |
|                          | Size (LxWxH )                    | 214 mm x 87 mm x 47 mm                                                                                                                                                                                                                            |                                                                                            |
|                          | Weight (Laser Including Battery) | 447g (3600 mAh) / 478g (5400 mAh)                                                                                                                                                                                                                 |                                                                                            |
| User Environment         | Operating temperature            | -20°C to 50°C / -4°F to 122°F                                                                                                                                                                                                                     |                                                                                            |
|                          | Storage temperature              | -30°C to 70°C / -22°F to 158°F                                                                                                                                                                                                                    |                                                                                            |
|                          | Humidity (non-condensed)         | Operating 10% to 90% / Storage 5% to 95%                                                                                                                                                                                                          |                                                                                            |
|                          | Impact resistance                | SGS Certified 1.8 m Multiple drops onto concrete (MIL-STD-810G test standard) IP65 / 500 (1 m) and 1000 (0.5 m) tumbles                                                                                                                           |                                                                                            |
|                          | Electrostatic discharge          | ± 15 kV Air discharge, ± 8 kV Contact discharge                                                                                                                                                                                                   |                                                                                            |
|                          | Regulatory Compliance            | FCC / CE / RoHS / REACH / WEEE / ErP / BSMI / NCC / SRRC / CCC / ANATEL / RCM                                                                                                                                                                     | FCC / CE / RoHS / REACH / WEEE / Erp / BSMI / NCC / SRRC / CCC                             |
| Development Support      |                                  | CipherLab C++ /.NET, SDK to Support Microsoft® Visual Studio 2005, Microsoft® Visual Studio 2008                                                                                                                                                  | CipherLab API and Android 6 Standard API                                                   |
| Application Software     |                                  | App-Lock, Backup Utility, Button Assignment, Reader Configuration, Signature Capture, CipherLab MIRROR Browser 5, CipherLab Mobile Deployment System, CipherLab Mirror Terminal Emulator, Kalipso Mobile Application Generator, SOTI MobiControl, |                                                                                            |
|                          |                                  | CipherLab MIRROR Browser, Naurtech CETerm, Wavelink Browser and Emulator, Wavelink Speakeasy                                                                                                                                                      | CipherLab Software Trigger Key, Xamarin Binding                                            |
| Accessories              |                                  | Snap-on Cable (USB / RS232), Snap-on Car Charger, Pistol Grip, Belt Holster for Device with Pistol Grip, 4-slot Ethernet Cradle, Charging and Communication Cradle, 4-slot Battery Charger, 4-slot Ethernet Cradle (Windows OS), Vehicle Cradle   |                                                                                            |
| Warranty                 |                                  | 1 Year                                                                                                                                                                                                                                            |                                                                                            |

1. Minimum 13 hours under WLAN and laser scanning per 20 seconds, LCD 50% backlight and speaker on (volume is default) at 25°C, Bluetooth® off / IEEE 802.11 a/b/g/n on. The test is based on one broadcasting packet per second.



### ACCESSORIES



4-slot Ethernet Cradle  
4-slot Charging Cradle



Charging and  
Communication Cradle



4-slot Battery  
Charger



Pistol Grip



Snap-on Cable  
(USB/RS232)



Snap-on Car Charger



Vehicle Cradle



Belt Holster for Device  
with Pistol Grip



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