



# UD Pocket (UDP) Reference Manual

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## IGEL TechChannel



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<https://www.youtube.com/watch?v=iURhgESsn6k>

## General Information

*UD Pocket* boots *IGEL Universal Desktop Linux* on your computer. However, it does not make any changes to the operating system already installed on the hard disk, SSD or flash storage - *UD Pocket* runs entirely from the USB stick.

With *IGEL Linux version 10.02.120*, *UD Pocket* has a partition which contains this manual and is readable under Windows.

*UD Pocket*, like all *IGEL* operating systems, can be managed centrally using the *Universal Management Suite*.

This document describes setting up and starting *UD Pocket* on your computer.

*UD Pocket* uses *IGEL Universal Desktop Linux 10*, which is described in detail in the *IGEL OS* manual.



## Devices Supported by UDC3 and UD Pocket

### Core Requirements

- CPU with 64-bit support
- CPU speed:  $\geq 1$  GHz
- Memory (RAM):  $\geq 2$  GB

**i** With devices that have 2 GB RAM and shared video memory, a maximum of 512 MB may be used as video memory.

- Storage:  $\geq 2$  GB
- No VIA graphic adapter; VIA graphics support is discontinued in UDC3.

### Devices Officially Supported by UDC3 and UD Pocket with IGEL OS 10

**i** For some of the devices listed here, Flash memory must be extended to  $\geq 2$  GB. For these devices, an appropriate note is added.

#### Acer

Name	64-bit	Memory (RAM)	Storage	Processor	Supported from IGEL OS version
Veriton N2110G	yes	16 GB	8 GB	AMD G-T56N	10.01.100

#### Advantech

Name	64-bit	Memory (RAM)	Storage	Processor	Supported from IGEL OS version
POC-W213	yes	4 GB	128 GB	Intel Core i7-6600U	10.03.210
POC-W243	yes	4 GB	128 GB	Intel Core i7-6600U	10.03.210



### Advantech-DLoG

Name	64-bit	Memory (RAM)	Storage	Processor	Supported from IGEL OS version
DLT-V6210	yes	4 GB	32 GB	Intel Atom	10.02.120
DLT-V7210	yes	4 GB	4 GB	Intel Atom E3845	10.01.100
DLT-V7210 K	yes	4 GB	4 GB	Intel Atom E3845	10.03.210
DLT-V7212	yes	4 GB	4 GB	Intel Atom E3845	10.01.100

### Dell / Wyse

Name	64-bit	Memory (RAM)	Storage	Processor	Supported from IGEL OS version
(AiO)* <a href="#">(see page 9)</a> 5040 (=5212)	yes	2 GB	2 GB	AMD G-T48E	10.04.270
D10D	yes	2 GB	2 GB	AMD G-T48E	10.01.100
D50D	yes	2 GB	8 GB	AMD G-T48E	10.01.100
Z50D	yes	2 GB	2 GB	AMD G-T56N	10.01.100
Z90Q7	yes	4 GB	16 GB	AMD GX-420CA	10.01.100
Z90QQ7	yes	4 GB	16 GB	AMD GX-415GA	10.01.100
3040	yes	2 GB	8 GB	Intel Atom x5-Z8350	10.04.270
5060	yes	4 GB	8 GB	AMD GX-424CC	10.01.100
5070	yes	8 GB	32 GB	Intel Celeron J4105 1,5 GHz	10.05.500
Optiplex 9020	yes	8 GB	320 GB	Intel Core i5-4590S	10.06.130
Latitude E6440	yes	8 GB	500 GB	Intel Core i5-4300M	10.06.130



## Fujitsu

Name	64-bit	Memory (RAM)	Storage	Processor	Supported from IGEL OS version
Futro S720	yes	2 GB	2 GB	AMD GX-222GA	10.01.100
Futro S920	yes	2 GB	2 GB	AMD GX-415GA	10.01.100
Futro X913	yes	2 GB	≥ 2 GB (Flash extension might be necessary)	AMD G-T44R	10.01.100
Futro X923	yes	2 GB	2 GB	AMD GX-415 GA	10.01.100

## HP

Name	64-bit	Memory (RAM)	Storage	Processor	Supported from IGEL OS version
t520	yes	8 GB	8 GB	AMD GX-212JC	10.01.100
t530	yes	4 GB	8 GB	AMD GX-215JJ Dual-Core	10.05.570
t610	yes	2 GB	≥ 2 GB (Flash extension might be necessary)	AMD T56N APU	10.01.100
t620	yes	16 GB	8 GB	AMD GX-217GA APU	10.01.100
T630	yes	4 GB	8 GB	AMD GX-420GI	10.04.270
t730	yes	16 GB	8 GB	AMD RX-427BB APU	10.01.100
t820	yes	16 GB	16 GB	Intel Core i5-4570S	10.01.100
EliteDesk 800 G3	yes	8 GB	128 GB	Intel Core i3 – i7	10.05.812
EliteDesk 800 G3 mini	yes	8 GB	256 GB	Intel Core i5-7500	10.05.812
EliteDesk 800 G1 SFF	yes	4 GB	128 GB	Intel Core i5-4570	10.06.130
HP EliteBook 840 G3	yes	16 GB	256 GB	Intel® Core™ i7-6500U	10.06.130
Compaq Elite 8300	yes	8 GB	500 GB	Intel Core i5-3470	10.05.812



## Intel

Name	64-bit	Memory (RAM)	Storage	Processor	Supported from IGEL OS version
Compute Stick STK2m3W64CC	yes	4 GB	64 GB	Intel Core m3-6Y30	10.02.120
NUC 5i5MYBE	yes	2 GB	32 GB	Intel i5-5300U	10.04.270
NUC 5i3RYH	yes	2 GB	2 GB	Intel i3-5010U	10.04.270
NUC 7CJYH	yes	2 GB	4 GB	Intel Celeron J4005	10.04.270

## Lenovo

Name	64-bit	Memory (RAM)	Storage	Processor	Supported from IGEL OS version
ThinkCentre M700	yes	4 GB	500 GB	Intel Core i3-6100T	10.01.100
Tiny M600	yes	4 GB	500 GB	Intel Pentium N3700	10.03.210

## LG

Name	64-bit	Memory (RAM)	Storage	Processor	Supported from IGEL OS version
(AiO)* (see page 9) 24CK550N	yes	4 GB	32 GB	AMD G-Series GX-212JJ	10.04.270
(AiO)* (see page 9) 24CK550W	yes	4 GB	32 GB	AMD G-Series GX-212JJ	10.04.270
CK500W	yes	4 GB	32 GB	AMD G-Series GX-212JJ	10.05.500



### Onyx Healthcare

Name	64-bit	Memory (RAM)	Storage	Processor	Supported from IGEL OS version
Venus 222	yes	4/8 GB	≥ 2 GB (Flash extension might be necessary)	Intel Celeron J1900	10.01.100
Venus 223	yes	4 GB	128 GB	Intel Quad-Core J1900	10.05.500

### Secunet

Name	64-bit	Memory (RAM)	Storage	Processor	Supported from IGEL OS version
SINA Workstation S EliteDesk 800 G2	yes	16 GB	256 GB	Intel Core i7-6700	10.03.500

### Stone

Name	64-bit	Memory (RAM)	Storage	Processor	Supported from IGEL OS version
N130 Notebook	yes	8 GB	750 GB	Intel Core i7-6700	10.01.100

### Toshiba

Name	64-bit	Memory (RAM)	Storage	Processor	Supported from IGEL OS version
Portegé X20W-D	yes	8 GB	256 GB	Intel Core i5-7200U	10.03.210
Portegé X30-D	yes	8 GB	256 GB	Intel Core i5-7300U	10.03.210
Tecra C50	yes	4 GB	500 GB	Intel i5-4210U	10.04.270
Tecra Z50-D	yes	8 GB	256 GB	Intel Core i5-7200U	10.03.210
SATELLITE R50	yes	4 GB	500 GB	Intel i3-6006U	10.04.270





\* AiO = All in One



## Setup and Startup

- [Requirements](#) (see page 11)
- [Boot Settings](#) (see page 12)
- [Starting Your UD Pocket](#) (see page 13)

## Requirements

In order to use UD Pocket, your computer must meet the following requirements:

- 64-bit-capable CPU
- At least 2 GB RAM
- Intel, ATI/AMD or Nvidia graphics chip
- USB 3.0 or 2.0 port from which the computer can boot
- Ethernet or wireless adapter

You will find a detailed list of supported graphics and network chips in the [IGEL Linux 3rd Party Hardware Database](#)<sup>1</sup>

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<sup>1</sup> <https://www.igel.com/linux-3rd-party-hardware-database/>

## Boot Settings


*UD Pocket* works on systems with BIOS and UEFI.

It is essential that your system supports booting from USB storage media. This may already be enabled, or you may have to enable it yourself. The required key presses for this may vary from vendor to vendor. However, here are some hints:

- ▶ While the device is booting, try pressing [F12] (in general), [F10] (Intel devices) or [F9] (Hewlett-Packard devices) in order to access a list of boot devices and select *UD Pocket*.
- ▶ If the above does not work, access the BIOS settings via pressing [Del], [F1] or [F2] during boot and activate booting from USB storage media and/or change the boot order.
- ▶ See the BIOS/UEFI documentation for your system for details of how to boot from USB storage media.

 As of *version 10.04.100*, IGEL Linux supports UEFI Secure Boot. Refer to the manual of your device's manufacturer to learn whether your device supports Secure Boot and how to enable it. Enabling Secure Boot often consists of two steps. First, the boot mode has to be changed to UEFI Boot in the BIOS; after that, Secure Boot can be activated, also in the BIOS. How to check whether Secure Boot has been properly enabled you can learn here.

 If *UD Pocket* fails to boot in UEFI mode, try it in legacy/BIOS mode.

 Do not remove *UD Pocket* from the computer until you have shut down the *IGEL Universal Desktop Linux* contained on it. Otherwise, you can damage the operating system on *UD Pocket* and lose your settings as well as data on other removable media.

## Starting Your UD Pocket

### The First Boot Procedure

1. Plug the UD Pocket into a free USB slot of your device.
2. Turn on your device; if the device is already switched on, restart it.

### Should the UD Pocket Boot-Up Fail

► If the device does not boot into UD Pocket, but into its pre-installed operating system instead, change the boot settings appropriately. For further information, see [Boot Settings \(see page 12\)](#).

### After the First Boot-Up

The Setup Assistant guides you through the basic configuration. For a detailed description of each step, see the Setup Assistant chapter in the IGEL OS manual.