

# lowlatency Astra Linux



- Astra Linux Special Edition .10015-01 ( 1.7)  
[2022-1110SE17 \( 1.7.3\)](#)
- Astra Linux Special Edition .10015-10      **2022-1110SE17 ( 1.7.3)**
- Astra Linux Special Edition .10015-17
- Astra Linux Special Edition .10015-37 ( 7.7)  
[2022-1110SE17 \( 1.7.3\)](#)

Astra Linux Special Edition .10015-01 ( 1.7)    2022-1110SE17 ( 1.7.3)    generic ( ) hardened ( )    lowlatency.

Figure 1. The proposed architecture of the low-latency system. The system is designed to process a sequence of input frames (represented by the first set of three frames) and output a sequence of processed frames (represented by the second set of three frames). The system consists of a sequence of processing blocks, each containing a set of parallel processing units (represented by the third set of three frames). The output of the system is a sequence of processed frames (represented by the fourth set of three frames). The system is designed to process a sequence of input frames (represented by the first set of three frames) and output a sequence of processed frames (represented by the second set of three frames). The system consists of a sequence of processing blocks, each containing a set of parallel processing units (represented by the third set of three frames). The output of the system is a sequence of processed frames (represented by the fourth set of three frames).

(latency) . . . . . TPC ( ), —FPS ( , ).

''' (jitter) —      .   ,   ,   ,   —   ,   .   .   :   ,   - .

• () - 250 , lowlatency - 1000 .



```
lowlatency 1000 . , . .
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**generic**                 • , , ,                 • , , " " .

lowlatency , , . , , , . . " "

: ( ), lowlatency, .

lowlatency .

- , **TPC**, lowlatency .
- , , , " , 95- 500 " . lowlatency.
- , ( , ) , lowlatency .

lowlatency

1. . , , (generic) lowlatency.
2. () " " " FullHD", generic lowlatency .
3. ( , , ) lowlatency , , , ( , FPS ). lowlatency .
4. lowlatency ;
5. lowlatency , .

```
, , , /boot/ /boot/config-*, ( ) :
```

```
grep CONFIG_HZ= /boot/config-*
```

:

```
/boot/config-5.15.0-33-lowlatency:CONFIG_HZ=1000  
/boot/config-5.4.0-110-generic:CONFIG_HZ=250  
/boot/config-5.4.0-54-generic:CONFIG_HZ=250
```

: 3 (5.15.0-33-lowlatency, 5.4.0-110-generic, 5.4.0-54-generic), lowlatency 1000 , - (generic) 250 .

, , :

```
uname -r
```

## lowlatency

lowlatency Astra Linux Special Edition .10015-01 ( 1.7) [2022-1110SE17 \( 1.7.3\)](#). :

```
sudo apt install linux-5.15-lowlatency
```