

# VW-NLL15QF

6th Gen Intel® Core™ Celeron/i3/i5  
Wide temperature Sunlight Readable  
Full IP65 Seamless Touch Panel PC



## Feature

- Fanless design and compact solution
- 6th Gen Intel® Core™ Celeron/i3/i5 CPU
- LED LCD panel : 2000/1600/1200/1000 /800 nit
- Wide temperature : -20°C ~ 55°C
- PCAP / True flat Touch screen
- Fully IP65 compliant 6-sided stainless steel chassis
- Full IP65 external power adapter
- 2 x USB, 2 x GLAN, 2 x RS232
- 1 x VGA port

| System              |  |
|---------------------|--|
| CPU                 | 6th Gen Intel® Core™ Celeron 3955U/i3-6100U/i5-6300U |
| Memory              | 1 x 204-pin DDR3L 1600 MHz SODIMM up to 8 GB         |
| H/W Monitor         |  |
| Watchdog Timer      | 256-Level Watchdog Timer                             |
| I/O Ports           |  |
| RS232               | 2  |
| GLAN                | 2  |
| USB                 | 2  |
| Storage             |  |
| Storage             | 1 x SATA 2.0 2.5" HDD/SSD                            |
| Expansion           |  |
| Mini-PCIe           | 1 x Full-size (one w/ mSATA)<br>1 x Half Size        |
| Power Requirement   |  |
| Power Input Voltage | DC in 12V Power Adapter                              |
| Touch Screen        |  |
| Touch screen        | PCAP   |

| Display                               |                          |        |         |         |        |
|---------------------------------------|--------------------------|--------|---------|---------|--------|
| Size                                  | 15" TFT (4:3)            |        |         |         |        |
| Resolution                            | 1024 x 768               |        |         |         |        |
| Colors                                | 16.7M                    | 16.7 M | 16.7 M  | 16.2 M  | 16.7 M |
| Luminance ( cd/m2)                    | 2000                     | 1600   | 1000    | 1000    | 800    |
| Contrast Ratio                        | 700:1                    | 700:1  | 1700:1  | 700:1   | 700:1  |
| View Angle ( H / V )                  | 160/160                  |        | 170/170 | 160/160 |        |
| Mechanical & Environmental            |                          |        |         |         |        |
| Operation Temp                        | -20°C ~ 55°C             |        |         |         |        |
| Storage Humidity                      | 10 ~ 90%, non-condensing |        |         |         |        |
| Mount                                 | VESA mounting(100X100mm) |        |         |         |        |
| Dimension (W x H x D mm) & Net Weight | 438.2 x 335 x 63 (9kg)   |        |         |         |        |
| Optional                              |                          |        |         |         |        |
| RS232/422/485                         | 1                        |        |         |         |        |
| Second LAN                            | 1                        |        |         |         |        |
| External Antenna                      | 1 or 2                   |        |         |         |        |
| Full IP65 Power Adapter               | 1                        |        |         |         |        |
| VGA port                              | 1                        |        |         |         |        |

# VW-NLL17QF

6th Gen Intel® Core™ Celeron / i3/i5  
Sunlight Readable and Wide Temperature  
Full IP65 Seamless Touch Panel PC



## Feature

- Fanless design and compact solution
- 6th Gen Intel® Core™ Celeron/i3/i5 CPU
- LED LCD panel : 2000/1600/1200/1000 /800 nit
- Wide temperature : -20°C ~ 55°C
- PCAP / True flat Touch screen
- Fully IP65 compliant 6-sided stainless steel chassis
- Full IP65 external power adapter
- 2 x USB, 2 x GLAN, 2 x RS232
- 1 x VGA port

| System              |   |
|---------------------|---|
| CPU                 | 6th Gen Intel® Core™ Celeron 3955U<br>i3-6100U/i5-6300U |
| Memory              | 1 x 204-pin DDR3L SODIMM<br>up to 8 GB                  |
| H/W Monitor         |   |
| Watchdog Timer      | 256-Level Watchdog Timer                                |
| I/O Ports           |   |
| RS232               | 2   |
| GLAN                | 2   |
| USB                 | 2   |
| Storage             |   |
| Storage             | 1 x SATA 2.0 2.5" HDD/SSD                               |
| Expansion           |   |
| Mini-PCIe           | 1 x Full-size (one w/ mSATA)<br>1 x Half Size           |
| Power Requirement   |   |
| Power Input Voltage | DC in 12V Power Adaptor                                 |
| Touch Screen        |   |
| Touch screen        | PCAP  |

| Display                                  |                          |         |         |
|--|--------------------------|---------|---------|
| Size                                     | 17" TFT (4:3)            |         |         |
| Resolution                               | 1280 x 1024              |         |         |
| Colors                                   | 16.7 M                   | 16.7 M  | 16.7 M  |
| Luminance ( cd/m2)                       | 1600                     | 1000    | 800     |
| Contrast Ratio                           | 1000:1                   | 1000:1  | 1000:1  |
| View Angle ( H / V )                     | 170/170                  | 160/160 | 170/170 |
| Mechanical & Environmental               |                          |         |         |
| External Heat Sink                       | Back Side                |         |         |
| Operation Temp                           | -20°C ~ 55°C             |         |         |
| Storage Humidity                         | 10 ~ 90%, non-condensing |         |         |
| Mount                                    | VESA mounting(100X100mm) |         |         |
| Dimension (W x H x D mm)<br>& Net Weight | 470 x 390 x 67.1 (10kg)  |         |         |
| Optional                                 |                          |         |         |
| RS232/422/485                            | 1                        |         |         |
| Second LAN                               | 1                        |         |         |
| External Antenna                         | 1                        |         |         |
| Full IP65 Power Adapter                  | 1                        |         |         |
| VGA port                                 | 1                        |         |         |

# VW-NLL19QF

6th Gen Intel® Core™ Celeron / i3/i5  
Sunlight Readable and Wide Temperature  
Full IP65 Seamless Touch Panel PC



## Feature

- Fanless design and compact solution
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- 1 x VGA port

### System

|        |   |
|--------|---|
| CPU    | 6th Gen Intel® Core™ Celeron 3955U<br>i3-6100U/i5-6300U |
| Memory | 1 x 204-pin DDR3L SODIMM<br>up to 8 GB                  |

### H/W Monitor

|                |                          |
|----------------|--------------------------|
| Watchdog Timer | 256-Level Watchdog Timer |
|----------------|--------------------------|

### I/O Ports

|       |   |
|-------|---|
| RS232 | 2 |
| GLAN  | 2 |
| USB   | 2 |

### Storage

|         |                           |
|---------|---------------------------|
| Storage | 1 x SATA 2.0 2.5" HDD/SSD |
|---------|---------------------------|

### Expansion

|           |   |
|-----------|---|
| Mini-PCle | 1 x Full-size (one w/ mSATA)<br>1 x Half Size |
|-----------|---|

### Power Requirement

|                     |                         |
|---------------------|-------------------------|
| Power Input Voltage | DC in 12V Power Adaptor |
|---------------------|-------------------------|

### Touch Screen

|              |      |
|--------------|------|
| Touch screen | PCAP |
|--------------|------|

### Display

|                      |               |         |         |         |
|----------------------|---------------|---------|---------|---------|
| Size                 | 19" TFT (4:3) |         |         |         |
| Resolution           | 1280 x 1024   |         |         |         |
| Colors               | 16.7 M        | 16.7 M  | 16.7 M  | 16.7 M  |
| Luminance ( cd/m2)   | 1600          | 1000    | 1000    | 800     |
| Contrast Ratio       | 1000:1        | 2000:1  | 1000:1  | 1000:1  |
| View Angle ( H / V ) | 170/160       | 178/178 | 160/170 | 170/160 |

### Mechanical & Environmental

|                                     |                             |
|-------------------------------------|-----------------------------|
| Operation Temp                      | -20°C ~ 55°C                |
| Storage Humidity                    | 10 ~ 90%, non-condensing    |
| Mount                               | VESA mounting(100X100mm)    |
| Dimension (W x H x D mm)<br>&Weight | 521.4 x 434.3 x 67.1 (12kg) |

### Optional

|                         |        |
|-------------------------|--------|
| RS232/422/485           | 1      |
| Second LAN              | 1      |
| External Antenna        | 1 or 2 |
| Full IP65 Power Adapter | 1      |
| VGA port                | 1      |