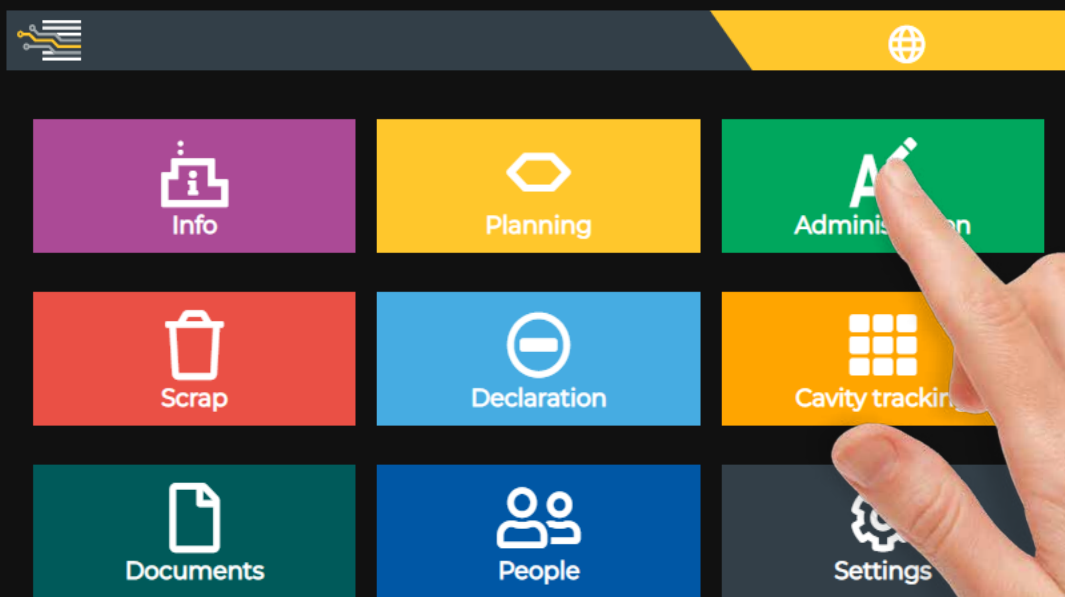
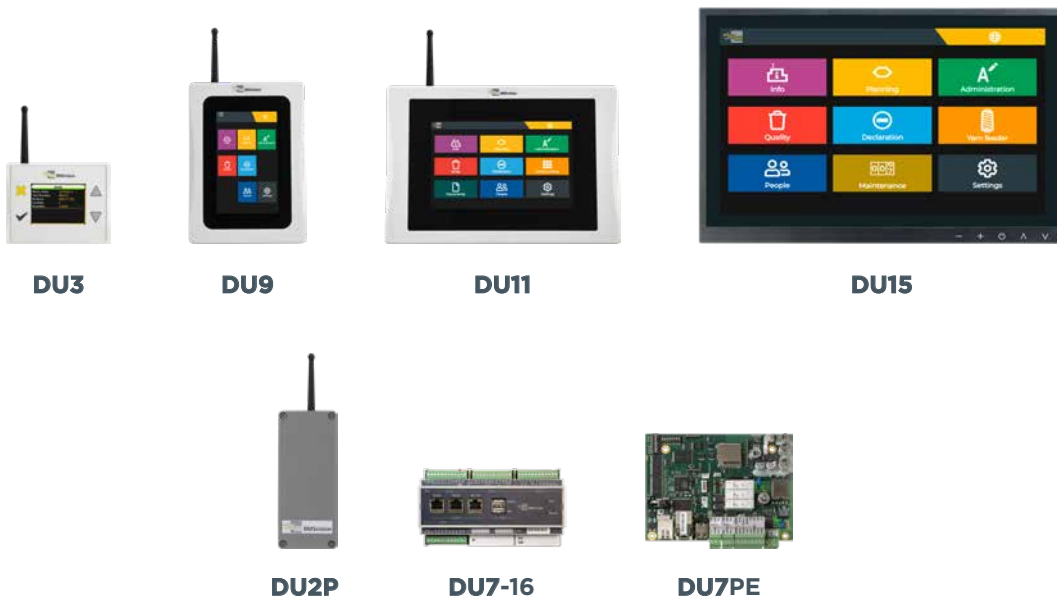


# Data Units








Wide range HMI and I/O-units



BMSvision offers a wide range of Data Units with display and headless Data Units serving all your needs for machine connections, host communication, user interface and IoT.



## Features

|                                   |  |  |  |  |  |  |  |
|-----------------------------------|---|---|---|--|---|---|---|
|                                   | DU3   | DU9   | DU11  | DU15   | DU2P  | DU7-16  | DU7PE   |
| Document control                  | -   | -   | •   | •  | -   | -   | -   |
| Operator tracking                 | -   | •   | •   | •  | -   | -   | -   |
| IoT ready (MQTT broker installed) | •   | •   | •   | •  | -   | •   | •   |
| Backup & Recovery (optional)      | •   | •   | •   | •  | -   | •   | •   |

## User interface

|                                   | DU3     | DU9       | DU11      | DU15        | DU2P | DU7-16 | DU7PE |
|-----------------------------------|---------|-----------|-----------|-------------|------|--------|-------|
| Display                           | 2.8"    | 5" touch  | 7" touch  | 15.6" touch | -    | -      | -     |
| Resolution                        | 320x240 | 480x800   | 800x480   | 1920x1080   | -    | -      | -     |
| Keyboard                          | 4 keys  | on-screen | on-screen | on-screen   | -    | -      | -     |
| Remote accessible via web browser | •       | •         | •         | •           | -    | •      | •     |

### WEB-DU

Browser driven user interface to use with multiple headless Data Units and with Ethernet connected machines without Data Unit.



## Inputs/outputs

|                                     | DU3    | DU9         | DU11        | DU15        | DU2P   | DU7-16      | DU7PE       |
|-------------------------------------|--------|-------------|-------------|-------------|--------|-------------|-------------|
| Multifunctional digital inputs      | 8      | 8           | 16          | 16          | 4      | 16          | 4           |
| Maximum counter speed               | 10 kHz | 20 kHz      | 20 kHz      | 20 kHz      | 256 Hz | 20 kHz      | 2.5 kHz     |
| Analog inputs (optional with DiAna) | -      | 8 + 8 digi. | 8 + 8 digi. | 8 + 8 digi. | -      | 8 + 8 digi. | 8 + 8 digi. |
| Relay outputs                       | -      | 5           | 5           | 7           | -      | 7           | 3           |
| Outputs (open collector)            | 1      | -           | -           | -           | 1      | -           | -           |
| Serial ports (many protocols)       | -      | -           | 2           | 2           | -      | 2           | 2           |
| USB ports                           | -      | 1           | 1           | 1           | -      | 1           | 1           |
| Ethernet ports                      | -      | 1           | 3           | 3           | -      | 3           | 3           |

## Power

|                             | DU3 | DU9  | DU11 | DU15      | DU2P | DU7-16 | DU7PE |
|-----------------------------|-----|------|------|-----------|------|--------|-------|
| AC: 100 - 240 V, 50 - 60 Hz | -   | -    | •    | • (panel) | -    | -      | -     |
| DC: 24 V                    | •   | •    | •    | • (DU7)   | •    | •      | •     |
| Power over Ethernet         | -   | •    | •    | • (DU7)   | -    | •      | •     |
| Max. power consumption      | 5 W | 10 W | 15 W | 75 W      | 5 W  | 10 W   | 10 W  |

## Host link

|                                 | DU3 | DU9 | DU11 | DU15     | DU2P | DU7-16   | DU7PE    |
|---------------------------------|-----|-----|------|----------|------|----------|----------|
| Bluetooth (WDL-SERVER required) | •   | •   | •    | • (ext.) | •    | • (ext.) | • (ext.) |
| Wi-Fi                           | •   | •   | •    | -        | -    | -        | -        |
| Wired Ethernet                  | -   | •   | •    | •        | -    | •        | •        |

ext. = with external 'remote antenna' unit. - Maximum 32 Data Units per WDL-SERVER.

## DU IO Simulator

Available to test digital inputs/outputs, to simulate machine signals, for training or demonstration.



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