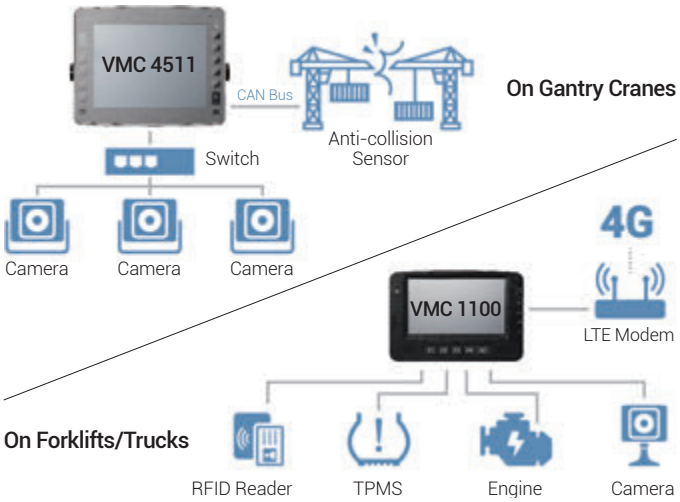
Port & Harbor

NEXCOM Vehicle Mount Computers Smooth Port Operations Amid Trade Explosion

As new free trade agreements are put into effect across the globe, port management companies are seeing a flood of cargo arriving ports and harbors. From precise execution to safe practices, these companies are under enormous challenge on all fronts of port operations and requiring the help of technology more than ever. In a busy port in Western Europe, gantry cranes and forklifts are equipped with NEXCOM vehicle mount computers VMC 4511 and VMC 1100 to achieve high operational efficiency.

The VMC 4511 on gantry cranes is integrated with anti-collision sensors and cameras to give operators visual perception of their surroundings. Operators, maneuvering a gantry crane in a cabin high above in the air, have a lot of blind spots. Knowing the spatial relation of gantry cranes enables operators to avoid a collision when moving containers along docks whenever receiving instructions.



The VMC 1100 on forklifts bridges the communication gap between forklift drivers and dispatchers. Connecting to a proprietary LTE network, the VMC 1100 provides a high-quality communication channel for data transmission when forklifts wheel through container stacks.

VMC 4511

- 1000-nit LCD panel for sunlight readability
- Rugged aluminum housing for enhanced system reliability
- Screw-lock connectors to prevent loose connection
- CAN bus 2.0B support to connect with anti-collision sensors
- IP65 protection for outdoor use

VMC 1100

- Designed by industrial standards of SAE J1113, SAE J1455, & ISO7637-2
- CAN bus 2.0B for onboard diagnostic & driver behavior monitoring
- MIL-STD-810G standard for anti-vibration protection
- 7-inch all-in-one computer for space-confined applications
- Function expansion for LTE router & driver fatigue detection