CORE SYSTEMS


# RUGGED CISCO IE-3100-18T2C-E

## Rugged ATMOS2 Switch 20-Port

The **Rugged Cisco IE-3100-18T2C-E** is a compact Ethernet switch providing 18 Gigabit RJ-45 downlink ports plus 2 dual-media (copper/SFP) Gigabit uplinks, built on Cisco IOS XE with Network Essentials. It supports layer-2 switching, industrial automation protocols, and features dual-input DC power, alarm I/O, SD-card storage, and DIN-rail or wall mounting. Rated for harsh environments with wide-temperature operation, it's ideal for space-constrained rugged deployments.

Designed specifically to pair with ATMOS tactical nodes, this switch slides and locks into place on top of the ATMOS chassis, creating a seamless, all-in-one networking and computing setup. This modular configuration simplifies installation in field environments and allows for compact, high-performance deployment in edge operations.

- Application-specific design
- Tested to meet military standards
- Built in the USA

## Featured Specifications

**Downlink**
18x RJ-45

**Uplink Ports**
2x dual-media uplink

**Switching Capacity**
~24Gbps; forwarding up to ~17.8Mpps

**Power**
Dual Input DC

**Chassis Type**
Stackable Rugged Chassis

CORE SYSTEMS

# RUGGED CISCO IE-3100-18TC-E


## Technical Specifications

**Dimensions**
Height: 3.5 inches, Width: 8.5 inches, Depth: 14.75 inches
Weight: 5.00 lbs

**Downlink Ports**
18×1000BASE-T RJ-45

**Uplink Ports**
2× Gigabit dual-media (RJ-45 or SFP)

**Switch Capacity**
~24Gbps; ~17.8Mpps forwarding

**Software**
Cisco IOS XE with Network Essentials

**Industrial Protocols**
IEC61850-3, IEEE1613, EN50155; MRP, REP

**Storage**
SD card slot, micro-USB

**Power**
9.6–60V DC; nominal 12–48V

**Cooling**
Convection, fanless

**Chassis**
Stackable Rugged MIL-Spec Chassis

## Environmental Specifications

**Operational Temperature**
MIL-STD-810F, Method 501.5, Procedures I/II: -15°C to +55°C

**Storage Temperature**
MIL-STD-810F, Method 501.5, Procedures I/II: -15°C to +55°C

**Humidity**
MIL-STD-810F, Method 507.4: 95% RH, 48 hours at 40 – 65°C

**Altitude**
MIL-STD-810F, Method 500.4: 12,500 ft operation; 40,000 ft transport

**Vibration**
MIL-STD-810G, Method 514.6: 4.43 GRMS, 5-20000Hz, 60 min/axis

**Shock**
MIL-STD-810G, Method 516.6: 20g, 11ms functional; 40g, 11ms crash hazard

**EMC**
MIL-STD-461F: CE & RE emissions

## Work With Core Systems Today

Core Systems designs and builds rugged servers, displays, mission computers, and integrated cabinet solutions for military and industrial applications. From our 85,000 sq. ft. San Diego facility, we deliver cutting-edge, durable computing solutions for mission-critical needs.

**Core Systems**
13000 Danielson St
Poway, CA 92064